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CANADA

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GENERAL REVIEW
OF THE
MANUFACTURING INDUSTRIES OF CANADA
1954

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
Central Assembly and Index Section

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GENERAL REVIEW
OF THE
MANUFACTURING INDUSTRIES OF CANADA
1954

Published by Authority of

The Right Honourable C. D. Howe, Minister of Trade and Commerce



NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: Volume I – The Primary Industries, including mining, forestry and fisheries; Volume II – Manufacturing; Volume III – Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I – General Review of the Manufacturing Industries
- II – The Manufacturing Industries of Canada
 - Section A. Summary for Canada
 - Section B. Atlantic Provinces
 - Section C. Quebec
 - Section D. Ontario
 - Section E. Prairie Provinces
 - Section F. British Columbia
 - Section G. The Manufacturing Industries of Canada,
Regional Distribution
- III – Foods and Beverages
- IV – Tobacco and Tobacco Products
- V – Rubber Products
- VI – Leather Products
- VII – Textile Mills
- VIII – Knitting Mills
- IX – Clothing
 - X – Wood and Paper Products
- XI – Printing Trades
- XII – Iron and Steel Products
- XIII – Transportation Equipment
- XIV – Non-ferrous Metal Products
- XV – Electrical Apparatus and Supplies
- XVI – Non-metallic Mineral Products
- XVII – Products of Petroleum and Coal
- XVIII – Chemicals and Allied Products
- XIX – Miscellaneous Manufactures

The present report is the only one in Part I

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PART I GENERAL ANALYSES OF MANUFACTURING

SECTION I. GROWTH OF MANUFACTURING

In this report the manufacturing industries of Canada are dealt with in two Parts. Part I gives general analyses including the historical development of manufacturing; detailed treatment of current production under various groupings and by individual industries; and principal factors in manufacturing production such as physical volume of production, capital, employment, salaries and wages, size of establishment, and power and fuel. Part II deals with the provincial and local distribution of manufacturing production.

With regard to historical development, it is impossible to give absolutely comparable statistics over a long period of years. From 1870 to 1915 statistics were collected only in connection with decennial or quinquennial censuses, and there was inevitably some variation in the information collected. The annual Census of Manufactures was instituted in 1917 and while numerous changes have been made since then in the information collected and the treatment of the data, an effort has been made to carry all major revisions, in so far as possible, back to 1917 so that the figures for the period since then are on a reasonably comparable basis.

The manufacturing industries of Canada experienced a downward adjustment during 1954. Both value of shipments and employment were moderately lower than in 1953 which was a peak year. Shipments at \$17,554,527,504 were 5.4 p.c. lower. This was accompanied by an increase of 3.0 p.c. in finished goods inventory which rose to \$1,011,106,831 from \$959,554,911 the previous year, thus indicating a smaller decrease in production than in shipments. The decline in employment was sharper, dropping to 1,267,966 persons or 4.5 p.c. However, due to increases in hourly earnings, the amount paid in salaries and wages, amounting to \$3,896,687,691 was only 1.5 p.c. lower. In physical output the trend was also downward with a decline of 4.4 p.c. for manufacturing as a whole. Non-durable goods were 1.1 p.c. lower while durable goods with a drop of 8.1 p.c. were the most severely affected. The greatest decline in volume output was reported by the transportation equipment group with a decrease of 18.7 p.c., textiles 14.2 p.c., iron and steel products 13.4 p.c. and clothing including knitting mills 13.1 p.c. A few other groups had moderate declines of 2 to 6 per cent. The picture was not completely dark; there were a few bright spots too. Such groups as foods, paper products, printing and publishing, products of petroleum and coal, non-ferrous metal products, and non-metallic mineral products reported increases of 1 to 5 per cent, while chemicals and allied products remained practically unchanged.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a country producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 30 p.c. of the value of all goods and services produced, and also rank as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of large-scale deposits of iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant. There have been other periods when Canada's population has grown more rapidly and

in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the post-war years. The real significance of the latter period is that never before has there been an advance on such a broad industrial front.

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of post-war conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic resources. Capital expenditures that contributed most to the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence program—aircraft, electronic equipment, ships and guns—many items of which had never before been produced in Canada. Measures such as steel control, credit regulations and deferred depreciation had the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability of current levels of manufacturing is indicated by the fact that such activity is the result of business assessments of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent. Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the high-grade ores involved in order to meet continuing peace-time demands. No country is in a more-favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials; a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945. And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind. Frequently using petroleum or natural gas as a source of raw material, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

As mentioned above, the physical volume of production in 1954 was down 4.4 p.c., with the durable goods industries reporting a drop of 8.1 p.c. and non-durable goods 1.1 p.c.

In the durable goods sector only two groups out of seven reported increases in volume of production. These two were: non-metallic mineral products with an increase of 2.6 p.c. and non-ferrous metal products with 1.4 p.c. Reflected in these increases is the rise in production of aluminum from 548,445 to 557,897 tons, nickel from 143,643 to 166,299 tons and cement from 22,238,335 to 22,437,477 barrels.

The largest decline of 18.7 p.c. was reported by the transportation equipment group. This was reflected in the drop of motor vehicle production which declined from 486,049 units in 1953 to 352,109 units in 1954, as well as a drop in the value of automobiles and parts exported which fell from \$75,318,523 in 1953 to \$27,102,946 in 1954. The next highest decline of 13.4 p.c. was reported by the iron and steel group. The output of pig iron in 1954 at 2,211,029 tons was 29.9 p.c. lower than in the previous year, while steel ingots at 3,195,030 was 22.4 p.c. lower. The output of the wood products group which was 2.1 p.c. lower is accounted for mainly by lower exports of wood products. Exports of planks and boards declined by 16.6 p.c., veneers and plywoods 11.8 p.c. and shingles 10.0 p.c. The electrical apparatus and supplies group, in spite of an increase in the production of television sets from 391,974 to 611,206 units, reported a decline of 1.8 p.c. in volume. The miscellaneous industries group dropped 4.7 p.c.

In the non-durable goods sector the trend was mixed. Six groups of industries reported increases while five groups reported declines. Of the groups reporting lowered volume of production, the textile group was the most severely affected with a drop of 14.2 p.c. Next in severity was clothing with a 13.1 p.c. decline. Other groups showing declines were: leather products 5.9 p.c., rubber products 4.4 p.c. and beverages 2.4 p.c.

Of the groups reporting increased volume, the printing and publishing group led with 4.9 p.c. This was followed by paper products with 4.0 p.c., products of petroleum and coal 3.9 p.c., tobacco products 3.6 p.c., foods 2.1 p.c. and chemical products .2 p.c.

Manufacturing establishments reporting in 1954 numbered 38,028. Of these 790 were located in Newfoundland, 209 in Prince Edward Island, 1,526 in Nova Scotia, 1,057 in New Brunswick, 12,191 in Quebec, 13,178 in Ontario, 1,522 in Manitoba, 1,010 in Saskatchewan, 2,052 in Alberta, 4,462 in British Columbia, and 31 in the Yukon and Northwest Territories. These plants furnished employment to 1,267,966 persons who received \$3,896,687,691 in salaries and wages. They also shipped goods with a selling value at the factory of \$17,554,527,504 and spent \$9,241,857,554 for materials, while the value added by manufacture totalled \$7,902,124,137. The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it will again be possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products. The figures for value added in 1954 are, therefore, comparable with 1951 and prior years.

The value added by manufacture in 1954 for manufacturing as a whole is \$7,902,124,137. This is about \$38,000,000 lower than the results obtained when the conversion formula of shipments to value of production is used. This is due to the fact that in a few industries value of production figures are still being collected, while the total figures of inventory change also include the inventory of these industries.

Percentage variation of manufacturing in Canada, by Provinces and Groups, 1954 compared with 1953

Province and group	1954 compared with 1953		
	Number of employees	Salaries and wages	Selling value of factory shipments
Canada	- 4.5	- 1.5	- 1.3
Newfoundland	- 6.5	+ 13.1	+ 2.9
Prince Edward Island	- 1.9	- 3.1	+ 1.2
Nova Scotia	- 7.6	- 6.1	- 6.2
New Brunswick	- 9.7	- 7.8	- 2.8
Quebec	- 4.0	- 0.9	+ 0.2
Ontario	- 5.6	- 3.1	- 3.9
Manitoba	- 5.8	- 3.9	- 2.3
Saskatchewan	- 0.7	+ 3.4	+ 5.3
Alberta	- 1.0	+ 4.6	+ 3.5
British Columbia	- 2.2	+ 6.3	+ 7.9
Yukon and Northwest Territories	+ 7.9	+ 10.5	+ 40.5
All groups	- 4.5	- 1.5	- 1.3
Foods and beverages	+ 0.7	+ 4.8	+ 2.0
Tobacco and tobacco products	- 0.3	+ 4.1	+ 5.2
Rubber products	- 7.5	- 5.0	- 9.1
Leather products	- 7.0	- 5.4	- 7.1
Textiles	- 11.8	- 7.8	- 8.5
Knitting mills	- 11.4	- 9.2	- 6.2
Clothing	- 6.2	- 5.2	- 6.7
Wood products	- 4.0	- 0.8	- 2.9
Paper products	+ 3.5	+ 6.9	+ 3.9
Printing, publishing and allied industries	+ 3.1	+ 7.1	+ 6.2
Iron and steel products	- 7.7	- 5.9	- 6.9
Transportation equipment	- 14.5	- 13.7	- 18.0
Non-ferrous metal products	- 3.0	+ 1.9	+ 1.8
Electrical apparatus and supplies	- 2.3	+ 3.1	+ 1.9
Non-metallic mineral products	+ 2.6	+ 7.1	+ 6.4
Products of petroleum and coal ²	+ 2.6	+ 4.7	+ 24.0
Chemicals and allied products	+ 2.8	+ 7.7	+ 6.2
Miscellaneous industries	- 3.6	- 0.2	- 3.4

1. See footnote 3 Table 3.

2. See footnote 4 Table 3.

Tables 1 to 3 give a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages

paid, cost of materials and values of products. A number of interesting comparisons are made in Table 4 and figures of consumption are given in Table 6.

TABLE 1. Summary Statistics of Manufactures, 1917-54

Note. Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the series given below. They will be found in Table 1 in the 1942 edition of this report. Statistics of the non-ferrous metal smelting industries were included in manufactures for the first time in 1925.

Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products
	No.	\$	No.	\$	\$	\$	\$
1917	21,845	2,333,991,229	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1918	21,777	2,518,197,329	602,179	567,991,171	1,827,631,548	1,399,794,849	3,227,426,397
1919	22,083	2,670,559,435	594,066	601,715,668	1,779,056,765	1,442,400,638	3,221,457,403
1920	22,532	2,923,667,011	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1921	20,848	2,697,858,073	438,555	497,399,761	1,365,292,885	1,123,694,263	2,488,987,148
1922	21,016	2,667,493,290	456,256	489,397,230	1,272,651,585	1,103,266,106	2,375,197,691
1923	21,080	2,788,051,630	506,203	549,529,631	1,456,595,367	1,206,332,107	2,662,927,474
1924	20,709	2,895,317,508	487,610	534,467,675	1,422,573,946	1,075,458,459	2,570,561,931
1925 ²	20,981	3,065,730,916	522,924	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926 ²	21,301	3,208,071,197	559,161	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927 ²	21,501	3,454,825,529	595,052	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928 ²	21,973	3,804,062,566	631,429	721,471,634	1,894,027,188	1,597,887,676	3,582,345,302
1929 ²	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930 ²	22,618	4,041,030,475	614,696	697,555,378	1,664,787,763	1,522,737,125	3,280,236,603
1931	23,083	3,705,701,893	528,640	587,566,990	1,221,911,982	1,252,017,248	2,555,126,448
1932	23,102	3,380,475,509	468,833	473,601,716	954,381,097	955,960,724	1,980,471,543
1933	23,780	3,279,259,838	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785
1934	24,209	3,249,348,864	519,812	503,851,055	1,229,513,621	1,087,301,742	2,393,692,729
1935	24,034	3,216,403,127	556,664	559,467,777	1,419,146,217	1,153,485,104	2,653,911,209
1936	24,202	3,271,263,531	594,359	612,071,434	1,624,213,996	1,289,592,672	3,002,403,814
1937	24,834	3,465,227,831	660,451	721,727,037	2,006,926,787	1,508,924,867	3,625,459,500
1938	25,200	3,485,683,018	642,016	705,668,589	1,807,478,028	1,428,286,778	3,337,681,366
1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1940	25,513	4,095,716,836	762,244	920,872,865	2,449,721,903	1,942,471,238	4,529,173,316
1941	26,293	4,905,503,966	961,178	1,264,862,643	3,296,547,019	2,605,119,788	6,076,308,124
1942	27,862	5,488,785,545	1,152,091	1,682,804,842	4,037,102,725	3,309,973,758	7,553,794,972
1943	27,652	6,317,166,727	1,241,068	1,987,292,384	4,690,493,083	3,816,413,541	8,732,860,999
1944	28,483	3	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1945	29,050	3	1,119,372	1,845,773,449	4,473,668,847	3,564,315,899	8,250,368,866
1946	31,249	3	1,058,156	1,740,687,254	4,358,234,766	3,467,004,980	8,035,692,471
1947	32,734	3	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580
1948	33,420	3	1,155,721	2,409,368,190	6,632,881,628	4,938,786,981	11,875,169,685
1949 ⁴	35,792	3	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1950 ⁴	35,942	3	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
1951 ⁴	37,021	3	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132
1952 ⁴	37,929	3	1,288,382	3,637,620,160	9,146,172,494	7,443,533,199	16,982,687,035 ⁵
1953 ⁴	38,107	3	1,327,451	3,957,018,348	9,380,558,682	7,993,069,351	17,785,416,854 ⁵
1954 ⁴	38,028	3	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504 ⁵

1. For 1924 and subsequent years the value added by manufacture is computed by subtracting the cost of fuel and electricity and the cost of materials from the gross value. Figures prior to 1924 are not comparable because statistics for cost of electricity are not available.

2. A change in the method of computing the number of wage-earners in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was re-adopted.

3. Not collected.

4. Includes Newfoundland.

5. In 1952 the basis of collection was changed from "value of products made" to "selling value of factory shipments"

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-54

Province and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	\$	No.	\$	\$	\$	\$
Newfoundland:							
1917	793	4	6,934	15,486,336	31,228,173	32,918,776	67,264,282
1920	850	4	6,682	16,246,252	31,505,623	36,712,377	71,062,850
1929 ²	822	4	9,622	22,681,246	43,117,299	53,690,187	100,642,613
1933	948	4	10,303	25,233,851	45,477,620	56,109,014	105,459,684
1939	939	4	10,575	26,604,908	44,972,021	57,784,697	106,524,603
1954 ¹	790	4	9,892	30,101,186	46,503,032	59,483,922	109,567,770
Prince Edward Island:							
1917	411	2,008,082	1,556	663,251	3,087,621	1,750,135	4,837,756
1920	370	2,328,686	1,287	855,210	4,164,223	2,135,857	6,300,080
1929 ²	263	2,646,354	727	727,286	2,862,725	1,466,446	4,408,608
1933	249	2,256,307	991	529,684	1,590,834	1,126,826	2,775,787
1939	222	2,682,900	1,088	617,945	2,239,117	1,243,979	3,543,681
1944	241	4	1,786	1,694,763	6,993,510	3,570,835	10,713,644
1949	251	4	1,747	2,133,555	13,537,144	4,338,320	18,123,200
1950	244	4	1,786	2,342,180	15,243,042	4,284,417	19,811,023
1951	237	4	1,735	2,459,553	17,177,748	5,046,797	22,523,439
1952 ¹	224	4	1,795	2,805,622	15,786,399	5,957,097	22,069,671
1953	216	4	1,809	3,095,845	16,963,798	5,878,761	23,198,970
1954 ¹	209	4	1,774	3,000,211	17,001,551	6,044,749	23,469,743
Nova Scotia:							
1917	1,337	124,357,851	25,252	18,838,051	102,415,215	57,565,703	159,980,918
1920	1,345	135,679,188	23,425	25,625,089	85,724,785	61,371,243	147,096,028
1929 ²	1,094	118,951,398	19,986	16,905,885	50,725,562	35,676,421	89,787,548
1933	1,277	92,004,624	12,211	9,604,680	25,354,319	19,988,257	47,912,432
1939	1,083	101,954,082	17,627	16,651,685	43,332,195	35,885,563	83,139,572
1944	1,281	4	37,812	59,940,411	103,463,123	93,376,638	204,421,664
1949	1,480	4	29,311	54,686,577	135,841,899	102,294,298	247,592,389
1950	1,482	4	28,479	54,888,061	147,131,045	97,780,564	255,887,499
1951	1,474	4	30,512	63,975,754	172,115,336	119,486,630	303,619,234
1952 ¹	1,533	4	33,371	75,245,387	183,141,366	130,715,000	326,839,747
1953	1,591	4	32,040	76,390,755	180,543,535	127,917,165	320,012,264
1954 ¹	1,526	4	29,611	71,740,240	161,294,873	129,777,850	300,072,733
New Brunswick:							
1917	943	60,300,907	19,710	12,893,014	32,380,621	27,027,725	59,408,346
1920	901	101,216,395	19,007	19,266,821	60,812,641	45,803,164	106,615,805
1929 ²	803	91,376,948	17,952	15,127,716	39,800,366	26,640,786	68,145,012
1933	747	90,148,317	11,336	9,308,100	20,442,421	18,166,713	41,345,622
1939	803	91,171,323	14,501	13,659,162	35,617,614	27,041,195	66,058,151
1944	937	4	23,164	32,345,080	83,993,599	62,258,478	152,106,577
1949	1,060	4	23,446	44,219,819	131,804,253	91,187,375	231,506,191
1950	1,107	4	23,863	46,386,069	148,066,224	106,204,409	263,753,067
1951	1,084	4	24,505	53,546,882	176,358,864	120,594,955	307,173,504
1952 ¹	1,077	4	24,251	55,978,462	164,760,874	117,837,471	293,759,782
1953	1,094	4	24,471	59,753,045	163,797,711	120,617,345	295,750,419
1954 ¹	1,057	4	22,107	55,109,428	157,215,921	118,015,815	287,350,600
Quebec:							
1917	7,032	662,012,975	188,043	141,008,616	385,212,984	390,882,409	766,095,393
1920	7,530	878,859,638	183,748	202,516,550	553,558,520	499,643,217	1,053,201,737
1929 ²	6,948	1,246,208,650	206,580	225,226,808	537,270,055	537,796,395	1,108,592,775
1933	7,856	1,035,339,591	157,481	134,696,386	292,560,568	288,504,782	604,496,078
1939	8,373	1,182,538,441	220,321	223,757,767	536,823,039	470,385,279	1,045,757,585
1944	9,656	4	424,115	668,156,053	1,494,253,053	1,350,519,134	2,929,685,183
1949	11,379	4	390,275	809,579,270	2,027,793,643	1,651,629,666	3,788,497,123
1950	11,670	4	390,163	851,334,700	2,225,476,250	1,798,320,105	4,142,473,290
1951	11,861	4	417,182	1,005,601,680	2,696,638,646	2,083,933,751	4,916,157,419
1952 ¹	12,024	4	429,698	1,125,944,703	2,745,618,113	2,288,643,279	5,176,234,825
1953	12,132	4	441,555	1,225,573,314	2,816,373,112	2,424,647,499	5,386,784,863
1954 ¹	12,191	4	424,095	1,214,661,400	2,806,248,363	2,448,027,538	5,395,786,644
Ontario:							
1917	9,061	1,157,850,643	299,389	258,393,065	794,556,502	662,174,261	1,456,730,763
1920	9,113	1,464,097,346	295,674	362,941,317	1,071,843,374	792,267,562	1,864,110,936
1929 ²	9,348	1,986,736,556	328,533	406,622,627	1,056,530,202	916,971,816	2,020,492,433
1933	9,542	1,587,947,947	224,816	220,530,088	464,544,563	465,103,842	958,776,858
1939	9,824	1,762,571,669	318,871	378,376,209	907,011,461	791,428,569	1,745,674,707
1944	10,731	4	564,392	975,038,060	2,310,347,858	1,930,043,913	4,339,797,884
1949	12,951	4	557,190	1,305,544,434	3,256,454,918	2,708,554,013	6,103,804,734
1950	12,809	4	566,513	1,412,999,146	3,598,821,495	3,068,141,837	6,822,953,981
1951	13,025	4	599,433	1,669,386,982	4,334,394,367	3,569,400,065	8,074,731,217
1952 ¹	13,172	4	609,596	1,844,186,405	4,387,431,403	3,811,106,576	8,372,173,626
1953	13,114	4	634,554	2,017,982,218	4,560,134,562	4,130,126,462	8,876,504,990
1954 ¹	13,178	4	598,914	1,954,767,388	4,412,536,948	3,930,730,030	8,533,167,214

* Includes for the first time the fish processing industry.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-54 — Concluded

Province and Year	Estab-lish-ments	Capital	Em-ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	\$	No.	\$	\$	\$	\$
Manitoba:							
1917.....	732	82,566,858	18,939	16,513,423	69,715,149	42,280,801	111,995,950
1920.....	747	94,424,145	23,728	32,372,081	92,729,271	62,776,912	155,506,183
1929 ²	861	121,363,898	24,012	31,224,596	87,832,324	63,925,015	155,266,294
1933.....	1,010	100,074,404	18,871	18,687,430	44,579,998	37,390,275	83,934,777
1939.....	1,087	119,659,365	23,910	28,444,798	82,408,293	48,810,544	134,293,595
1944.....	1,290	4	40,937	62,758,081	226,234,925	120,339,926	352,334,594
1949.....	1,520	4	41,956	86,088,380	299,101,498	167,335,495	474,681,912
1950.....	1,507	4	40,985	88,701,601	300,384,707	177,051,583	485,906,206
1951.....	1,512	4	41,459	100,170,966	349,203,612	192,848,667	551,346,046
1952 ¹	1,531	4	43,365	112,147,572	347,664,650	216,814,306	574,037,212
1953 ¹	1,540	4	43,740	121,126,279	345,403,115	229,797,439	584,872,459
1954 ¹	1,522	4	41,224	116,454,886	328,827,609	232,487,743	571,408,772
Saskatchewan:							
1917.....	560	24,372,585	6,230	5,403,332	22,040,674	13,894,179	35,934,853
1920.....	554	24,640,520	6,709	9,571,175	34,894,105	22,610,861	57,504,966
1929 ²	594	43,925,797	7,025	9,105,597	51,003,566	23,002,952	75,368,605
1933.....	673	38,688,433	4,782	4,848,763	19,124,030	11,478,634	31,559,387
1939.....	737	37,654,095	6,475	7,346,127	38,782,135	20,283,273	60,650,589
1944.....	1,054	4	12,361	17,703,103	131,215,017	40,833,333	175,349,234
1949.....	962	4	10,841	22,273,942	164,349,341	47,356,949	215,742,728
1950.....	887	4	10,596	23,010,469	164,557,306	49,494,641	218,079,955
1951.....	973	4	11,023	26,290,294	185,151,455	61,088,606	250,813,026
1952 ¹	1,022	4	11,307	29,489,862	172,388,119	80,934,157	259,931,776
1953 ¹	1,062	4	11,604	32,395,518	180,303,942	79,941,332	266,613,086
1954 ¹	1,010	4	11,526	33,509,833	169,326,001	104,560,398	280,733,784
Alberta:							
1917.....	636	49,146,241	9,461	8,662,417	42,632,212	23,883,673	66,515,085
1920.....	666	48,310,655	10,955	15,210,628	56,139,646	29,812,891	85,952,537
1929 ²	736	81,875,952	12,216	14,585,734	62,500,175	36,824,969	100,966,196
1933.....	874	69,604,563	9,753	9,573,468	29,425,975	18,876,929	49,395,514
1939.....	961	73,284,225	12,712	14,977,700	53,151,149	32,618,153	87,474,080
1944.....	1,165	4	22,186	33,227,729	172,082,537	77,415,753	252,949,894
1949.....	1,685	4	26,425	55,115,554	251,364,059	114,681,296	371,995,120
1950.....	1,671	4	26,732	58,416,324	272,131,049	123,892,868	402,840,023
1951.....	2,118	4	29,105	69,135,587	309,430,618	141,649,574	458,281,384
1952 ¹	2,150	4	31,765	82,527,194	331,817,141	178,221,013	518,410,811
1953 ¹	2,072	4	33,082	92,605,153	346,221,162	199,660,428	555,814,827
1954 ¹	2,052	4	32,765	96,909,889	346,524,989	219,327,509	575,277,702
British Columbia:							
1917 ³	1,133	171,375,087	37,943	35,426,675	87,637,833	71,873,094	159,310,927
1920 ³	1,306	174,110,438	34,360	49,135,005	125,405,084	104,851,641	230,256,725
1929 ³	1,569	311,806,456	48,153	57,764,968	141,145,838	113,082,137	260,418,645
1933 ³	1,552	263,195,652	28,417	28,469,225	70,166,220	59,034,923	133,879,330
1939.....	1,710	274,969,502	42,554	53,881,994	136,655,872	103,263,292	247,948,600
1944.....	2,116	4	96,062	178,639,118	303,560,016	337,137,197	655,844,689
1949.....	3,493	4	82,934	196,403,722	531,112,329	409,665,348	959,008,088
1950.....	3,696	4	87,375	216,656,977	634,177,837	479,606,261	1,133,016,956
1951.....	3,897	4	93,647	262,626,283	789,840,417	592,448,565	1,404,880,341
1952 ¹	4,225	4	92,667	283,530,976	751,011,248	556,172,312	1,332,481,862
1953 ¹	4,317	4	93,844	300,921,318	724,495,754	615,686,215	1,366,823,690
1954 ¹	4,462	4	95,867	319,802,914	794,885,369	651,812,950	1,474,156,242
Yukon and N.W.T.:							
1939.....	5	538,847	55	97,766	138,500	92,054	242,968
1944.....	12	4	67	118,972	189,718	280,803	489,256
1949.....	18	4	148	359,068	643,807	604,896	1,377,453
1950.....	19	4	123	285,656	1,039,954	569,167	1,741,531
1951.....	18	4	152	405,690	1,097,991	758,986	2,018,909
1952 ¹	23	4	164	530,126	1,075,561	1,022,974	2,288,039
1953 ¹	30	4	177	569,995	1,349,970	1,012,008	2,516,683
1954 ¹	31	4	191	630,316	1,492,898	1,855,633	3,536,300

1. See footnote 5, Table 1.

2. See footnote 2, Table 1.

3. Includes Yukon.

4. Not collected.

TABLE 3 Summary Statistics of Manufactures, by Industrial Groups, 1945-54

Industrial Group and Year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
1945	8,872	156,396	224,908,882	1,336,820,028	558,247,045	1,921,774,601
1946	8,862	160,821	241,769,865	1,408,818,069	604,120,647	2,040,708,650
1947	8,869	167,865	276,245,015	1,656,529,086	695,092,932	2,383,975,675
1948	8,686	168,893	311,235,818	2,034,844,290	766,434,971	2,839,531,142
1949	8,558	170,024	332,536,319	2,009,246,062	834,017,547	2,882,581,753
1950	8,401	167,664	346,714,443	2,102,437,260	885,322,008	3,029,810,604
1951	8,388	172,493	392,859,435	2,419,206,798	985,240,884	3,450,030,515
1952	8,263	175,552	429,650,055	2,333,089,054	1,091,944,158	3,472,516,950
1953	8,129	176,649	455,280,552	2,296,739,737	1,146,473,720	3,491,961,511
1954	8,090	177,883	477,058,728	2,334,166,626	1,181,648,171	3,562,546,744
Tobacco and tobacco products:						
1945	86	12,164	15,738,041	79,176,519	42,985,992	122,543,932
1946	95	10,849	14,410,558	79,255,405	39,981,625	119,634,216
1947	91	10,880	16,234,772	97,121,002	49,221,094	146,793,011
1948	79	10,459	19,550,563	95,851,271	57,666,963	153,993,442
1949	72	10,686	21,896,378	113,357,196	58,529,226	172,420,213
1950	68	10,322	22,628,918	122,610,179	65,175,854	188,330,523
1951	62	9,826	24,438,218	115,590,053	59,033,325	179,177,093
1952	61	9,277	25,405,072	144,537,670	70,777,110	215,914,370
1953	55	9,494	26,765,643	138,491,048	75,015,218	214,145,491
1954	53	9,469	27,868,939	144,960,769	79,439,243	225,340,976
Rubber products:						
1945	55	23,490	39,111,477	78,500,892	98,836,225	181,413,226
1946	60	22,055	37,813,363	62,135,578	93,451,248	159,408,113
1947	60	23,475	46,613,893	82,934,625	110,673,007	196,307,734
1948	56	21,703	48,273,015	84,223,731	106,999,669	194,111,934
1949	62	20,729	48,172,207	73,895,718	101,705,513	178,503,559
1950	61	21,812	54,262,864	101,773,382	134,061,761	239,184,510
1951	67	23,054	64,357,696	146,951,650	161,184,980	311,678,489
1952	70	21,582	65,477,683	120,799,295	162,493,060	286,654,629
1953	72	22,600	70,994,643	114,336,694	172,674,055	290,735,459
1954	73	20,894	67,476,405	106,501,858	149,073,979	264,184,787
Leather products:						
1945	706	34,123	43,268,635	95,006,015	71,297,713	167,888,463
1946	776	37,290	49,712,628	108,702,945	82,319,495	192,749,456
1947	792	35,724	52,628,612	123,894,474	86,646,061	212,430,165
1948	757	34,291	55,122,863	114,819,233	86,947,703	203,758,501
1949	747	34,900	59,699,886	117,869,462	91,157,684	210,804,174
1950	747	32,990	57,809,677	121,217,195	87,419,427	210,563,013
1951	711	31,578	59,668,764	135,114,110	84,885,048	221,882,794
1952	701	32,103	66,153,490	115,714,505	101,511,149	219,200,929
1953	695	33,068	70,965,495	116,416,179	103,937,262	222,410,182
1954	673	30,748	67,161,757	101,250,853	102,339,751	206,512,812
Textile products: (except clothing)						
1945	664	66,011	88,372,939	217,289,281	165,689,522	391,182,025
1946	720	67,366	95,637,733	215,853,616	178,852,730	402,966,184
1947	747	73,979	116,228,738	289,986,732	215,170,493	514,844,838
1948	722	75,816	141,002,245	331,943,622	261,774,544	604,946,333
1949	847	77,773	156,166,554	339,644,950	285,641,367	636,824,130
1950	846	80,328	169,175,142	412,682,853	315,556,761	741,262,685
1951	892	81,710	185,030,489	495,304,102	337,936,447	846,477,303
1952	918	72,739	178,689,466	418,522,518	312,627,434	744,141,645
1953	959	73,190	184,604,616	388,324,584	299,231,284	700,690,265
1954	975	64,581	170,196,140	350,113,694	275,492,879	640,870,047
Clothing: (textile and fur)						
1945	2,676	99,959	131,478,496	251,899,847	222,307,384	476,754,319
1946	2,988	105,868	146,265,152	285,568,957	263,018,398	551,331,576
1947	3,121	110,329	166,951,727	311,018,817	300,527,093	614,594,703
1948	3,100	115,105	191,866,371	361,216,438	345,028,807	709,688,704
1949	3,058	117,752	206,512,782	371,128,833	352,741,236	727,498,836
1950	3,051	116,248	211,223,347	377,552,172	352,889,623	734,214,334
1951	3,083	115,733	222,364,947	405,347,118	370,672,177	780,012,025
1952	3,041	117,668	240,539,672	443,956,596	405,091,338	853,151,206
1953	3,082	120,071	254,425,960	439,262,654	414,503,222	857,981,013
1954	3,030	111,315	239,072,710	410,078,242	383,538,744	801,533,118

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-54 - Continued

Industrial Group and Year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	No.	\$	\$	\$	\$
Wood products:						
1945	7,656	93,209	119,833,932	240,482,275	208,979,657	454,447,165
1946	8,846	105,472	142,338,538	297,923,979	256,436,946	560,341,251
1947	9,744	120,434	186,467,946	398,854,196	365,050,223	771,403,332
1948	10,495	124,306	214,741,924	428,913,571	401,401,795	830,045,068
1949	11,191	121,632	224,902,644	436,637,453	393,928,758	840,355,634
1950	11,301	126,169	246,325,125	510,565,003	463,853,510	985,859,493
1951	11,975	131,278	283,062,074	610,807,577	529,300,377	1,153,376,772
1952 ²	12,467	130,468	299,430,981	618,979,510	534,155,313	1,167,629,531
1953 ²	12,462	134,310	325,619,252	649,731,056	577,381,926	1,242,014,812
1954 ²	12,165	128,931	323,122,214	623,756,753	566,186,899	1,205,959,905
Paper products:						
1945	475	60,819	109,627,174	255,265,326	241,121,150	536,859,861
1946	486	67,442	134,320,546	313,410,656	333,819,710	695,085,534
1947	502	73,445	168,632,394	410,456,570	443,374,435	911,238,813
1948	522	75,980	197,397,810	485,237,427	509,993,037	1,061,359,807
1949	524	76,471	208,348,621	494,300,501	532,288,636	1,093,060,326
1950	528	77,519	225,197,438	541,260,626	638,111,352	1,251,144,125
1951 ²	547	82,889	276,521,006	683,488,653	827,924,962	1,589,842,162
1952 ²	543	82,965	292,682,283	694,190,401	736,217,142	1,510,148,791
1953 ²	555	84,436	310,107,707	717,460,043	767,273,583	1,568,250,521
1954 ²	569	87,370	331,556,026	742,032,309	802,280,157	1,630,162,601
Printing, publishing and allied trades:						
1945	2,312	43,565	74,257,775	52,655,848	132,385,988	186,945,134
1946	2,404	48,950	86,433,880	65,501,698	154,951,731	222,548,636
1947	2,458	52,096	101,611,652	82,585,466	178,667,051	263,632,152
1948 ¹	2,496	54,541	119,087,977	96,384,499	208,208,175	307,345,914
1949	3,866	61,834	141,489,984	124,684,351	250,162,704	377,908,182
1950 ¹	3,869	63,125	154,369,637	135,510,227	274,098,833	413,011,915
1951 ¹	4,019	64,694	170,828,730	152,753,412	295,642,569	452,142,515
1952 ²	4,124	64,485	186,250,715	160,393,787	326,662,173	490,934,851
1953 ²	4,157	66,530	205,626,554	175,222,037	364,363,975	543,752,372
1954 ²	4,227	68,614	220,275,989	188,725,630	384,791,305	577,355,291
Iron and steel products:						
1945	1,903	169,278	313,966,173	395,624,098	527,473,688	952,482,150
1946	2,086	151,373	279,567,770	337,981,814	461,501,765	824,766,017
1947	2,200	162,399	334,044,246	451,289,335	580,342,444	1,064,654,410
1948	2,263	170,071	400,878,271	570,290,989	709,347,226	1,320,527,400
1949	2,347	163,622	413,227,553	619,499,256	760,934,249	1,419,145,725
1950	2,390	164,528	438,244,749	662,332,192	817,060,278	1,524,384,478
1951 ²	2,435	183,323	547,314,615	860,565,510	991,334,800	1,904,650,130
1952 ²	2,625	189,191	617,010,924	947,993,190	1,134,043,024	2,135,031,744
1953 ²	2,698	188,236	643,474,127	906,165,239	1,140,931,549	2,098,551,079
1954 ²	2,801	173,698	605,526,529	829,237,679	1,085,231,674	1,954,230,964 ³
Transportation equipment:						
1945	504	154,844	326,748,794	498,241,686	523,910,119	1,034,666,913
1946	539	100,745	200,097,765	301,206,839	279,333,127	590,128,311
1947	562	104,348	230,858,680	426,573,091	366,151,761	803,611,372
1948	578	101,816	255,504,526	509,910,825	419,133,597	941,483,906
1949	596	104,750	270,852,111	584,064,330	466,529,164	1,063,211,331
1950	601	104,176	290,436,378	674,833,465	552,171,399	1,239,579,727
1951	599	122,517	368,106,433	870,178,794	657,424,400	1,541,589,828
1952 ²	617	146,360	473,118,450	1,009,470,570	778,347,604	1,803,699,823
1953 ²	621	156,059	555,411,152	1,110,953,581	961,205,155	2,089,937,633
1954 ²	602	133,432	479,079,750	986,721,281	701,600,725	1,713,962,985
Non-ferrous metal products:						
1945	436	44,221	81,889,942	337,872,041	180,653,076	548,853,026
1946	474	40,855	75,855,699	311,082,975	148,492,336	484,618,453
1947	503	43,344	91,046,568	434,517,197	201,162,856	668,074,514
1948	503	46,048	108,778,616	556,238,618	248,225,806	844,598,154
1949	532	44,698	114,591,106	537,218,214	289,125,045	867,043,028
1950	536	44,680	119,535,596	606,691,788	311,539,390	960,751,814
1951	536	50,114	150,733,704	797,412,763	406,616,836	1,253,599,168
1952 ²	552	50,938	167,045,084	744,596,427	414,920,456	1,215,118,447
1953 ²	551	52,058	178,710,057	726,128,115	458,180,471	1,242,010,994
1954 ²	573	50,494	182,191,321	717,966,073	486,933,852	1,263,774,817

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-54 — Concluded

Industrial Group and Year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	No.	\$	\$	\$	\$
Electrical apparatus and supplies:						
1945.....	247	44,129	76,468,795	92,041,030	135,919,899	230,531,874
1946.....	266	43,998	74,510,479	101,939,272	129,968,926	234,572,653
1947.....	296	52,736	103,891,016	162,131,266	200,859,040	366,506,203
1948.....	314	53,873	122,113,644	180,344,829	241,333,960	425,725,279
1949.....	365	55,916	137,278,521	212,460,413	269,341,983	486,286,355
1950.....	382	60,262	155,334,065	260,306,027	315,136,176	580,578,386
1951.....	373	67,626	194,749,038	316,561,307	353,602,872	676,008,959
1952.....	401	69,200	217,564,936	313,713,170	395,933,805	715,873,342
1953.....	422	76,856	250,646,777	383,743,994	457,489,516	848,190,254
1954.....	457	75,075	258,509,601	396,583,427	462,960,141	863,942,144
Non-metallic mineral products:						
1945.....	700	20,269	32,959,877	41,488,955	76,318,456	130,704,796
1946.....	833	24,387	39,651,286	49,957,966	94,591,439	160,476,827
1947.....	863	26,443	50,456,143	66,266,546	115,277,990	201,786,910
1948.....	934	27,278	58,816,381	72,577,633	134,897,744	232,148,324
1949.....	1,020	28,139	64,594,354	78,401,065	143,872,615	246,457,799
1950.....	1,045	29,603	72,380,410	91,168,605	168,377,747	286,541,363
1951.....	1,042	31,522	86,078,972	109,011,701	195,348,829	334,875,398
1952.....	1,057	31,422	92,818,919	115,217,568	203,692,859	350,051,630
1953.....	1,094	34,352	107,275,074	134,118,848	239,815,853	408,909,192
1954.....	1,160	35,229	114,849,079	145,120,516	256,951,758	435,208,000
Products of petroleum and coal:						
1945.....	80	11,532	22,904,418	188,899,911	65,637,131	270,166,984
1946.....	77	12,106	24,197,354	190,527,903	79,046,757	286,007,855
1947.....	80	12,769	28,689,932	257,420,851	84,073,746	361,333,008
1948.....	75	13,678	34,766,341	369,035,161	97,064,006	491,961,894
1949.....	77	14,552	39,783,500	391,036,128	117,819,090	533,730,719
1950.....	76	15,177	44,425,368	442,418,483	144,488,664	616,126,299
1951.....	82	15,598	51,947,890	497,982,695	179,872,590	709,550,035
1952.....	101	16,905	63,573,173	519,629,241	225,825,749	780,436,047
1953.....	100	17,112	66,565,434	576,310,641	211,552,953	823,089,340
1954.....	104	17,559	69,681,725	625,411,385	358,372,309	1,020,911,348 ⁴
Chemicals and allied products:						
1945.....	986	61,339	107,050,824	228,855,956	252,944,165	498,630,798
1946.....	1,031	38,012	67,842,339	179,749,719	208,399,498	401,741,703
1947.....	1,046	39,237	78,993,517	238,310,157	234,056,973	488,307,293
1948.....	1,026	39,548	89,325,771	293,041,874	268,818,222	579,827,509
1949.....	1,037	41,328	100,690,662	280,008,945	288,171,551	587,398,215
1950.....	1,033	41,475	106,794,403	307,705,741	317,166,711	646,870,510
1951.....	1,037	45,664	131,310,151	366,957,695	384,026,141	776,498,391
1952.....	1,075	47,694	148,075,675	357,818,760	414,087,592	796,562,234
1953.....	1,105	50,207	164,590,810	403,686,331	448,276,576	881,503,845
1954.....	1,116	51,603	177,311,960	437,051,091	476,125,328	935,724,880
Miscellaneous industries:						
1945.....	692	24,024	37,187,275	83,549,139	59,608,689	144,523,599
1946.....	706	20,567	30,262,299	48,617,375	58,718,602	108,607,036
1947.....	800	22,247	36,291,117	44,390,608	65,708,603	111,532,447
1948.....	814	22,315	40,906,054	48,007,617	75,510,756	125,116,374
1949.....	893	26,401	51,147,475	59,778,187	94,600,066	156,363,321
1950.....	1,007	27,219	56,499,875	67,469,334	99,628,735	169,312,602
1951.....	1,173	28,756	66,908,755	87,292,415	120,899,546	210,804,555
1952.....	1,313	29,833	74,133,582	87,550,232	135,203,233	225,620,866
1953.....	1,350	32,223	85,954,495	103,467,901	154,763,033	261,282,891
1954.....	1,360	31,071	85,748,818	102,179,368	149,157,222	252,306,085

1. Increase is due to the inclusion for the first time of establishments that publish periodicals without doing any printing.

2. See footnote 5, Table 1.

3. There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "value added by manufacture". Figures for 1954 are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.

4. Apparent advance in the selling value of factory shipments is due in part to an actual gain in physical output, but the major factor contributing to this increase was a change in accounting procedure by some firms of the petroleum products industry in calculating value of factory shipments. This increased the value by approximately \$139,000,000 over what the value would have been by the former method.

Significant Changes in Manufacturing Production.—The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1954. In analysing statistics of production and materials used, price changes should be borne in mind, particularly the inflation of values in the years immediately following World War I, the drop in prices of commodities during the depressions following 1921 and 1930, and the increases again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 10,397,703 in 1953, an advance of about 527 p.c. in 37 years. In the same period, horse-power per production employee showed an uninterrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of production employees on war production, and the more efficient utilization

of the equipment available, the horse-power per production employee dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the war resulted in a rise to 8.52 in 1948 and 9.87 in 1953. The significant feature is the increase in both the absolute figures of power employed and the averages per production employee during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average earnings since 1929. Between 1949 and 1954 the value of purchased fuel and electricity increased by 38.8 per cent; for full details of fuel and electricity used by the manufacturing industries see Tables 57 and 58.

TABLE 4. Significant Statistics of Manufactures for Certain Years 1917-1954

Item		1917	1920	1929 ¹	1933
Establishments	No.	21,845	22,532	22,216	23,780
Totals, employees	"	606,523	598,893	666,531	468,658
Averages per establishment	"	27.8	26.6	30.0	19.7
Totals, earnings	\$	497,801,844	717,493,876	777,291,217	436,247,824
Averages, per establishment	\$	22,788	31,843	34,988	18,345
Averages, per employee	\$	821	1,198	1,166	931
Supervisory and office employees	No.	64,918	78,334	88,841	86,636
Averages, per establishment	"	3.0	3.5	4.0	3.5
Earnings	\$	85,353,667	141,837,361	175,553,710	139,317,946
Averages, per employee	\$	1,315	1,811	1,976	1,608
Production workers	No.	541,605	520,559	577,690	382,022
Averages, per establishment	"	24.8	23.1	26.0	16.1
Earnings	\$	412,448,177	575,656,515	601,737,507	296,929,878
Averages, per employee	\$	762	1,106	1,042	777
Cost of materials	\$	1,539,678,811	2,085,271,649	2,029,670,813	967,788,928
Averages, per establishment	\$	70,482	92,547	91,361	40,698
Averages, per employee	\$	2,539	3,482	3,045	2,065
Values added by manufactures ³	\$	1,281,131,980	1,621,273,348	1,755,386,937	919,671,181
Averages, per establishment ³	\$	58,646	71,954	79,015	38,674
Averages, per employee ³	\$	2,112	2,707	2,634	1,962
Gross value of products	\$	2,820,810,791	3,706,544,997	3,883,446,116	1,954,075,785
Averages, per establishment	\$	129,128	164,501	174,804	82,173
Averages, per employee	\$	4,651	6,189	5,286	4,170
Power employed	H.P.	1,658,475	2,068,875	3,855,648	4,135,008
Averages, per establishment	"	76	92	174	174
Averages, per production worker	"	3.06	3.97	6.67	10.82
		1939	1944	1949	1954
Establishments	No.	24,805	28,483	35,792	38,028
Totals, employees	"	658,114	1,222,882	1,171,207	1,267,966
Averages, per establishment	"	26.5	42.9	32.7	33.3
Totals, earnings	\$	737,811,153	2,029,621,370	2,591,890,657	3,896,687,691
Averages, per establishment	\$	29,744	71,257	72,415	102,469
Averages, per employee	\$	1,121	1,660	2,213	3,073
Supervisory and office employees	No.	124,772	192,558	221,551	278,936
Averages, per establishment	"	5.0	6.8	6.2	7.3
Earnings	\$	217,839,334	418,065,594	628,427,937	1,075,101,215
Averages, per employee	\$	1,746	2,171	2,836	3,854
Production workers	No.	533,342	1,030,324	949,656	989,030
Averages, per establishment	"	21.5	36.2	26.5	25.0
Earnings	\$	519,971,819	1,611,555,776	1,963,462,720	2,821,586,476
Averages, per employee	\$	975	1,564	2,068	2,853
Cost of materials	\$	1,836,159,375	4,832,333,356	6,843,231,064	9,241,857,554
Averages, per establishment	\$	74,024	169,657	191,194	243,028
Averages, per employee	\$	2,790	3,952	5,843	7,289
Values added by manufactures ³	\$	1,531,051,901	4,015,776,010	5,330,566,434	7,902,124,137
Averages, per establishment ³	\$	61,724	140,989	148,932	207,798
Averages, per employee ³	\$	2,326	3,284	4,551	6,232
Gross value of products	\$	3,474,783,528	9,073,692,519	12,479,593,300	17,554,527,504 ⁴
Averages, per establishment	\$	140,084	318,565	348,670	461,621
Averages, per employee	\$	5,280	7,420	10,655	13,845
Power employed	H.P.	5,045,287	6,468,439	2	10,397,703 ²
Averages, per establishment	"	203	227	2	273 ²
Averages, per production worker	"	9.46	6.28	2	9.87 ²

1. A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1932 for later years are therefore comparable with those for 1924 and earlier years.

2. Collected only every five years. These figures are for 1953 which is the latest year available.

3. See footnote 1, Table 1.

4. See footnote 5, Table 1.

Recent Changes in Manufacturing Production.—Table 5 shows the changes in the nature of manufacturing production since the end of World War II with regard to numbers employed, the salaries and wages paid, and the gross value of products. Owing to price declines during depressions and rises during periods of prosperity, the values of both wages and products are naturally affected more than the number of employees. Furthermore, during periods of curtailed production there is a tendency for production workers to be put on part time, while the number of office employees responds less quickly to reduction in output than that of production workers. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The figures of Table 5 are to be compared with those of Tables 8, 9 and 10 which show changes in volume of production. The number of employees in 1944 increased by 86 p.c. over 1939. Salaries and wages paid were 175 p.c. higher and the gross value of production 161 p.c. higher. Another significant change is the increase in the proportion of women engaged in manufacturing. Whereas in 1939, there were 281 females to every 1,000 males employed, in 1944 this figure jumped to 403.

Significant changes in the nature of manufacturing production took place after the cessation of hostilities in 1945. Industries engaged in war production operated at a substantially lower level, while industries producing consumer goods stepped up their production. From the point of view of employment the chemical and allied products group with a drop of 33 p.c. experienced the greatest decline in production between 1945 and 1949. Transportation equipment which includes aircraft and shipbuilding was second with a drop of 32 p.c., followed by tobacco and tobacco products with 12 p.c., rubber goods 12 p.c. and iron and steel products 3 p.c. The non-metallic mineral products group reported the greatest gain in employment with an increase of 39 p.c., followed by printing, publishing and allied trades 31 p.c., wood products 29 p.c., electrical apparatus and supplies 27 p.c., products of petroleum and coal 26 p.c., paper products 21 p.c., textiles (except clothing) 19 p.c., clothing (textile and fur) 18 p.c., foods and beverages 8 p.c., leather products 2 p.c. and non-ferrous metal products 1 p.c.

For manufacturing as a whole there was an increase of 4 p.c. in the number of employees with an increase of 39 p.c. in the amount of salaries and wages paid. Although there was an increase of 50 p.c. in the gross value of production, the increase in the physical volume was only 3.4 p.c. This is due to the rise in the wholesale prices of fully and partly manufactured products.

Between 1949 and 1954, for manufacturing as a whole, there was an increase of 40.6 p.c. in the gross value of production, 8.1 p.c. in employment, and 75.5 p.c. in salaries and wages paid. In terms of employment, the electrical apparatus and supplies group with an increase of 34.3 p.c. experienced the greatest expansion since 1949. Transportation equipment came second with 27.4 p.c., followed by non-metallic mineral products with 25.2, chemicals and allied products 24.9, products of petroleum and coal 20.7, miscellaneous industries 17.7, paper products 14.3, non-ferrous metal products 13.0, and printing, publishing and allied industries 11.0. The smallest gain was reported by the rubber products group with 0.8 p.c. Four groups reported declines in employment. Textiles led the list with a drop of 17.0 p.c., followed by leather products with 11.9, tobacco and tobacco products 11.4 and clothing 5.5.

Significant changes have also occurred regionally between 1949 and 1954. In terms of employment, there was an increase of 8.1 p.c. for Canada as a whole. With the exception of two provinces, New Brunswick and Manitoba, all other provinces reported increased employment in manufacturing. Alberta led in this respect with an increase of 24.0 p.c., followed by British Columbia with 15.6 p.c., Newfoundland 13.2 p.c. and Quebec 8.7 p.c. These four provinces were above the Canadian average of 8.1 p.c. Four other provinces also reported increases in employment, but below the Canadian average. Of these Ontario reported an increase of 7.5 p.c., Saskatchewan 6.3 p.c., Prince Edward Island 1.5 p.c. and Nova Scotia 1.0 p.c. Of the two provinces reporting declines New Brunswick suffered a drop of 5.7 p.c. and Manitoba a drop of 1.7 p.c. The following table gives the changes which have taken place in manufacturing during the past ten years, on an industrial as well as a geographical basis.

TABLE 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in Each Province and Major Industrial Group, Compared for Significant Years, 1945-54

Province and group	1949 compared with 1945			1954 compared with 1949		
	Employees	Salaries and wages	Gross value of products	Employees	Salaries and wages	Gross value of products
PROVINCE	1	2	3	4	5	6
Newfoundland ⁵	—	—	—	+ 13.2	+ 71.1	+ 43.3
Prince Edward Island	- 2.2	+ 25.9	+ 69.2	+ 1.5	+ 40.6	+ 29.5
Nova Scotia	- 22.5	- 8.8	+ 21.1	+ 1.0	+ 31.2	+ 21.2
New Brunswick	+ 1.2	+ 36.7	+ 52.2	- 5.7	+ 24.6	+ 24.1
Quebec	- 8.0	+ 21.2	+ 29.3	+ 8.7	+ 50.0	+ 42.4
Ontario	- 1.3	+ 33.8	+ 40.6	+ 7.5	+ 49.7	+ 39.8
Manitoba	+ 2.5	+ 37.2	+ 34.7	- 1.7	+ 35.3	+ 20.4
Saskatchewan	- 12.3	+ 25.8	+ 23.0	+ 6.3	+ 50.4	+ 30.1
Alberta	+ 19.1	+ 65.9	+ 47.1	+ 24.0	+ 75.8	+ 54.6
British Columbia	- 13.7	+ 9.9	+ 46.2	+ 15.6	+ 62.8	+ 53.7
Canada ³	+ 3.6	+ 39.2	+ 50.0	+ 8.1	+ 75.5	+ 40.6
INDUSTRIAL GROUP						
Foods and beverages ¹	+ 8.1	+ 48.5	+ 49.5	+ 3.4	+ 42.4	+ 23.1
Tobacco and tobacco products	- 12.2	+ 39.1	+ 42.3	- 11.4	+ 27.3	+ 30.7
Rubber products	- 11.8	+ 23.2	+ 1.6	+ 0.8	+ 40.1	+ 48.0
Leather products	+ 2.3	+ 38.0	+ 25.6	- 11.9	+ 12.5	- 2.0
Textile products (except clothing)	+ 18.9	+ 78.6	+ 65.1	- 17.0	+ 9.0	+ 0.6
Clothing (textile and fur)	+ 17.8	+ 57.1	+ 52.6	- 5.5	+ 15.8	+ 10.2
Wood products ¹	+ 28.9	+ 86.7	+ 83.9	+ 6.0	+ 43.7	+ 43.5
Paper products ¹	+ 20.7	+ 80.5	+ 95.1	+ 14.3	+ 59.1	+ 49.1
Printing, publishing and allied industries ²	+ 31.2	+ 81.2	+ 84.1	+ 11.0	+ 55.7	+ 52.8
Iron and steel products	- 3.4	+ 31.6	+ 49.0	+ 6.2	+ 46.5	+ 37.7
Transportation equipment	- 32.4	- 17.1	+ 2.8	+ 27.4	+ 76.9	+ 61.2
Non-ferrous metal products	+ 1.1	+ 39.9	+ 58.0	+ 13.0	+ 59.0	+ 45.8
Electrical apparatus and supplies	+ 26.7	+ 79.5	+ 110.9	+ 34.3	+ 88.3	+ 77.7
Non-metallic mineral products	+ 38.8	+ 96.0	+ 88.6	+ 25.2	+ 77.8	+ 76.6
Products of petroleum and coal	+ 26.2	+ 73.7	+ 97.6	+ 20.7	+ 75.2	+ 91.3
Chemicals and allied products	- 32.6	- 6.0	+ 17.8	+ 24.9	+ 76.1	+ 59.3
Miscellaneous industries ⁴	—	—	—	+ 17.7	+ 67.7	+ 61.4

1. Exclusive of Newfoundland in columns 1, 2 and 3; inclusive of Newfoundland in columns 4, 5 and 6.

2. Exclusive of "Publishing (only) of Periodicals in columns 1, 2 and 3.

3. Newfoundland and "Publishing (only) of Periodicals" are excluded in columns 1, 2 and 3, but are included in columns 4, 5 and 6.

4. Due to the changes of establishments from one industry to another figures for 1949 are not comparable with previous years.

5. Exclusive of fish processing.

Consumption of Manufactured Products.—One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1954 was \$17,982,489,225, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, wood and paper, non-ferrous metals, animal and textiles were, in that order, the leading groups in the value of finished products made available for consumption in 1954.

Animal, wood and paper, and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textiles, chemicals and non-metallic mineral products in spite of large home production. The expansion of

the iron and steel, chemical and non-metallic mineral products industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the future.

Significant changes have taken place since 1939 in the type of manufactured products made available for consumption. In that year, the iron and its products group was in leading position and contributed 19.8 per cent of the total value of manufactured products. In 1954 this group was still in first place, but the percentage went up to 26.0. The wood and paper products, non-ferrous metals, non-metallic minerals and miscellaneous industries groups also increased their share of the total, while chemicals and allied products remained unchanged. The three mineral groups, combined, increased substantially their share of the total from 35.9 in 1939 to 45.5 in 1954. This indicates a higher standard of living for the Canadian people and also reflects the great expansion and diversification in manufacturing which has taken place since 1939. The industries producing consumer goods, on the other hand, suffered a relative decline. Vegetable products dropped from 19.6 to 14.6, animal products from 11.8 to 9.7 and textiles from 13.3 to 9.0. The following table gives the relative position of the major industrial groups in 1939 and 1954.

Manufactured Products Made Available for Consumption
(Percentage of the Total)

Group	1939	1954	Group	1939	1954
Vegetable products	19.6	14.6	Non-ferrous metal products	8.9	10.5
Animal products	11.8	9.7	Non-metallic mineral products	7.2	9.0
Textiles and textile products	13.3	9.0	Chemicals and allied products	5.3	5.2
Wood and paper products	11.6	12.6	Miscellaneous industries	2.5	3.4
Iron and its products	19.8	26.0	Total	100.0	100.0

TABLE 6. Consumption of Manufactured Products, 1928-53, and by Industrial Groups, 1954

Year and group	Value of products manufactured	Manufactured and partly manufactured goods ¹		Value of manufactured products available for consumption
		Value of net imports	Value of domestic exports	
1928	3,582,345,302	954,387,551	698,376,615	3,838,356,238
1929	3,883,446,116	939,130,201	686,876,071	4,135,700,246
1930	3,280,236,603	675,828,233	490,108,470	3,465,956,366
1931	2,555,126,448	423,519,849	347,456,198	2,631,190,099
1932	1,980,471,543	281,855,757	267,765,614	1,994,561,686
1933	1,954,075,785	298,068,344	365,232,113	1,886,812,016
1934	2,393,692,729	357,320,284	419,094,297	2,331,918,716
1935	2,653,911,209	385,597,041	532,041,141	2,457,467,109
1936	3,002,403,814	468,455,981	676,890,803	2,793,968,992
1937	3,625,459,500	566,876,483	781,099,407	3,411,216,576
1938	3,337,681,366	472,193,253	587,758,795	3,222,115,824
1939	3,474,783,528	542,364,930	646,853,938	3,370,294,520
1940	4,529,173,316	807,636,948	913,049,979	4,423,760,285
1941	6,076,308,124	1,123,994,913	1,292,855,603	5,907,447,434
1942	7,553,794,972	1,283,884,068	2,056,368,079	6,781,310,961
1943	8,732,860,999	1,305,838,746	2,444,862,298	7,593,837,447
1944	9,073,692,519	1,302,413,996	2,668,575,781	7,707,530,734
1945	8,250,368,866	1,117,544,874	2,352,441,796	7,015,471,944
1946	8,035,692,471	1,390,123,100	1,701,677,026	7,724,138,545
1947	10,081,026,580	1,928,250,119	2,124,740,343	9,884,536,356
1948	11,875,169,685	1,869,702,089	2,259,247,456	11,485,624,318
1949	12,479,593,300	2,043,583,929	2,017,055,615	12,506,121,614
1950	13,817,526,381	2,289,162,070	2,239,733,915	13,866,854,356
1951	16,392,187,132	3,034,709,829	2,749,091,256	16,677,805,705
1952	16,982,687,035 ³	3,125,381,333	2,892,543,945	17,215,524,423
1953	17,785,416,854 ³	3,519,418,503	2,781,269,785	18,523,565,572
Industrial groups, 1954²				
Vegetable products	2,563,927,081	258,852,898	203,930,909	2,618,849,070
Animal products	1,813,185,823	46,371,900	10,792,891	1,748,764,832
Textiles and textile products	1,376,303,384	254,592,092	19,588,401	1,613,307,075
Wood and paper products	3,430,311,344	158,066,586	1,317,199,057	2,271,178,873
Iron and its products	3,651,360,402	1,276,155,153	260,972,997	4,666,542,558
Non-ferrous metal products	2,127,716,961	325,752,287	558,573,894	1,894,895,354
Non-metallic mineral products	1,456,119,348	248,373,012	94,613,695	1,609,878,665
Chemicals and allied products	882,604,171	218,482,614	161,293,282	939,793,503
Miscellaneous industries	250,998,990	452,889,139	84,608,834	619,279,295
Totals, 1954	17,554,527,504³	3,239,535,681	2,811,573,960	17,982,489,225

1. Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years: for 1939-54 they are for the calendar year. Net imports are total imports less foreign products re-exported.

2. Consumption figures for the major groups of the Standard Industrial Classification cannot be calculated as statistics of imports and exports are still compiled on the component material classification basis.

3. See footnote 5, table 1.

SECTION 2. VALUE AND VOLUME OF MANUFACTURED PRODUCTS

Value of Manufactured Products.—In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind. In recent years, due to violent changes in prices, unadjusted value series, used in isolation, have become increasingly inadequate as indicators of economic trends. Of necessity, interest has shifted to measures of volume. The range of prices since 1917, on the base period 1935-39 = 100, was as follows:

Year	General Wholesale	Fully or Chiefly Manufactured Products
1917	148.9	150.9
1920	203.2	208.2
1929	124.6	123.7
1933	87.4	93.3
1939	99.2	101.9
1949	198.3	199.2
1953	220.7	228.8
1954	217.0	224.2

Volume of Manufactured Products.—Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, and not whether they are expending more dollars and cents. The field of industrial production, because of its dominating position in the national economy, has attracted increasing attention. This, in turn, has resulted in the need for more accurate measurements of physical output.

During the past few years, the Business Statistics Section of the Bureau's Research and Development Division has been engaged in the reconstruction of the Index of Industrial Production. The project consisted mainly of establishing annual gross and net levels of production for each industry from census of industry data and of improving the reliability of the current monthly series. For a description of the methods used in constructing the indexes and a description of its scope, see D.B.S. Reference Paper No. 34 "Revised Index of Industrial Production, 1935-1951"

The construction of this index was made possible by the availability of a great deal of basic data. Annual statistics valuable for this project have been collected by the Bureau without interruption from the end of the first World War to the present, and the scope of the monthly information has been greatly expanded. Applying the methods developed through the experience of the last quarter century, it has been possible to compute an index with a fair measure of accuracy from 1935 to the present.

Prior to the end of the first World War, the movement of industrial production was regarded as following the output of a few factors such as pig iron. The introduction of the index number placed the information on a much wider base. It is safer to base one's impression of the current trend upon a comprehensive index embracing a wide range of economic factors than upon any limited group of components that necessarily fluctuate according to particular influences.

An index of this kind offers considerable advantage in analyzing social and economic problems. The greatest call for the index is for the interpretation of current economic conditions. It is particularly relevant in the study of business fluctuations. While the index is based on the sectors of the economy that are particularly sensitive to short term influences, it also reflects a large part of the variations in the total of all economic activity. The output of mines and factories plays a dominant part in economic fluctuations and is closely associated with transport and trade which are mainly concerned with the distribution of commodities. The barometric nature of the industrial sector enhances the value of the index as an indicator of short-term movements but its usefulness in the interpretation of long-term economic developments should not be overlooked.

The Canadian annual Census of Industry, from which final benchmark indexes are computed, covers practically all establishments, but excludes work in the home. In the matter of repairs, the census of manufactures generally excludes work performed in connection with a service trade such as boot and shoe and automobile repairs. However, the census covers repairs carried on essentially under industrial conditions, such as ship and locomotive repairs. Consequently only industrial-type repairs are included in the index.

The framework of the revised index is based on the new Standard Classification of Industries prepared by an inter-departmental working committee. The preceding system used by the Bureau of Statistics was of a three-fold nature based on (1) chief component material; (2) purpose and (3) origin. The first principle was used most extensively, the criteria of purpose and origin having been used for the presentation of supplementary series which played a secondary role in Bureau publications.

The main innovation introduced in the Standard Classification was the compromise between the different principles. In recent years, Canada's industrial system has undergone considerable development, from a country primarily concerned with the early stages in the processing of primary materials to one that is turning out more and more goods for final consumption. Consequently, in establishing the new classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. The purpose phase was regarded as most appropriate for the wide range of consumer goods such as clothing and foods and beverages.

The industries grouped under the component material phase of the classification from 1935 to 1948 were re-arranged to conform with the standard model. As most of the industries were not greatly affected by the change in classification they were transferred intact to the proper position in the new system. The standard classification, for the most part, provided for comparability at the industry level. It was applied to establishments for the first time in the 1949 census of manufactures. In a number of industries, where the change in classification seriously disturbed the continuity, establishments were re-combined for the whole period covered by the index. The manufacture of synthetic rubber, for example, was transferred from the rubber industry to "miscellaneous chemicals" Plants engaged in the production for distribution of manufactured gas were transferred from "coke and gas" to the gas and electricity division. The salt industry was adjusted so as to comprise only processing operations for inclusion in the manufacturing division of the index. Three minor industries which were reclassified to non-industrial groups were dropped from the computation.

The appropriate series in the manufacturing division were re-classified to obtain sub-indexes of economic significance. The movement of durable goods normally varies from that of non-durables. There tends to be greater fluctuation in durables from prosperity to depression, the demand for non-durables being more constant. The manufacturing division was therefore divided, at the major group level, as between durable manufactures and non-durable manufactures. Although these groupings are rather rough and ready, they are of great use in economic analysis. The classification into producers' and consumers' goods, attempted in some countries, involves more difficulty as many intermediate commodities have alternate uses, and was not attempted here.

Volume of Production, 1923-35.—The indexes of volume of production, 1923-1935 given in Table 7 below were constructed in the General Manufactures Section of the Industry and Merchandising Division for the years 1923 to 1946. On comparing the index for 1935 given in Table 7 which stood at 87.9 with the new index for 1935 at 86.5 given in Table 8, it would appear that for the back years little significant variation existed between the two series. The indexes in Table 7 may therefore be used in evaluating the changes in the volume of manufacturing production between 1923 and 1935.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would therefore be about 11 p.c. Exports of partly and fully manufactured goods increased from \$591,830,000 in the fiscal year ended Mar. 31, 1924, to \$686,876,000 in the fiscal

year 1929-30, the increase in exports representing about 3.6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada. From a high of 101.4 in 1929 the volume of production declined to 67.6 in 1932 and climbed again to 87.9 in 1935.

TABLE 7. Indexes of the Volume of Manufacturing Production, According to the Component Material Classification, 1923-35
(1935-39 = 100)

Year	Vegetable	Animal	Textiles	Wood and paper	Iron	Non-ferrous metal	Non-metallic mineral	Chemicals	Miscellaneous	All industries
1923	62.6	75.0	64.3	65.1	81.5	42.7	81.8	59.2	99.5	67.5
1924	67.8	80.4	62.1	64.0	68.6	46.4	78.9	60.5	95.0	66.3
1925	75.1	84.8	66.5	69.0	79.9	52.5	80.3	64.8	94.5	72.5
1926	80.2	92.2	75.8	76.1	102.6	58.6	89.6	70.5	104.4	82.5
1927	84.9	90.0	81.4	84.1	104.1	67.6	102.3	75.2	114.2	87.9
1928	83.5	92.9	87.0	92.5	117.1	75.3	116.3	82.7	110.5	95.8
1929	96.4	87.9	86.1	95.6	133.4	81.3	137.1	84.7	105.6	101.4
1930	91.6	85.3	80.0	92.1	108.6	76.8	122.9	74.9	87.8	91.9
1931	83.4	77.4	78.2	76.6	82.8	73.1	105.6	69.2	80.0	79.9
1932	74.1	76.7	74.6	68.0	53.5	58.9	75.1	66.0	75.8	67.6
1933	72.8	79.6	81.1	69.6	50.2	57.6	68.8	69.9	71.9	67.7
1934	82.4	86.5	89.5	81.5	67.6	70.8	82.5	79.3	85.2	79.6
1935	87.0	91.3	94.5	89.5	83.4	81.2	88.1	87.2	91.1	87.9

Volume of Production, 1935-1954.—The period covered by this report was characterized by unprecedented industrial expansion. Emerging from a depression practically world-wide in scope, industrial operations in this country entered a period of rapid growth which was maintained throughout the war and post-war years without important interruption.

A problem confronting business economists is to determine how much of the post-war industrial "drive" was due to normal growth factors and how much of it was caused by the backlog of war accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durables, non-durables such as textiles and clothing also started the post-war period with a sizeable backlog of unfilled demand. It is now becoming apparent, after the vigorous pace of business following the outbreak of hostilities in Korea, that a considerable portion of this demand has been satisfied and some industries, notably textiles, clothing, agricultural implements and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The increased productive activity which will result from the present very high level of capital investment is not as yet fully reflected in current production statistics. Huge expansion and development programmes are well under way in iron ore, aluminum and other metals, oil, chemicals, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should still exert some influence on the economic picture.

The volume of output of manufactures rose steeply after the outbreak of hostilities in 1939. Productive facilities responded quickly to the urgent requirements of the armed forces. In the early days of the war, production assignments allotted were comparatively simple, but as the pre-war weapons became obsolete and as Canada proved herself capable of turning out larger and more complex equipment, the assignments constantly shifted, changed and grew more difficult. The production figures merely suggest the magnitude of the achievement. They cannot describe the tremendous effort needed to convert a semi-agricultural country into a wartime arsenal nor the complications which arose because of shortages of manpower, tools and materials.

The productive peak was reached in 1944, when weapons, supplies and equipment were rolling off the assembly lines at record-breaking pace. The end of hostilities and the subsequent reconversion to peace-time production were attended with declines in output in 1945 and 1946. The upward trend was resumed, however, in 1947. The rate of advance slackened moderately in 1948 and 1949 but regained most of its 1947 impetus in 1950 when the renewal of hostilities in Korea resulted in heavy anticipatory buying on the part of consumers and in growing expenditures for national defence. A remarkable feature is that in 1952, the index of the volume of manufacturing production which stood at 246.3 had surpassed the record wartime level of 242.3 established in 1944. The index continued to advance in 1953, reaching a record high of 263.0. In 1954 there was a minor recession and the index dropped to 251.4.

TABLE 8. Indexes of the Total Volume of Manufacturing Production, Classified on the Basis of Durable and Non-Durable Goods, 1935-1954
(1935-39 = 100)

Year	All manufactures	Non-durable manufactures	Durable manufactures
1935	86.5	89.0	82.7
1936	95.5	97.1	93.1
1937	109.3	106.7	113.2
1938	100.6	98.9	103.2
1939	108.1	108.2	107.9
1940	134.4	124.6	149.7
1941	175.9	148.7	218.5
1942	215.7	169.4	288.1
1943	234.5	171.5	333.0
1944	242.3	179.8	340.1
1945	209.8	176.3	262.1
1946	189.9	180.2	205.1
1947	207.7	191.2	233.5
1948	215.5	197.1	244.4
1949	217.0	198.2	246.3
1950	228.1	208.3	259.1
1951	242.1	214.0	285.9
1952	246.3	215.2	294.9
1953	263.0	224.1	323.9
1954	251.4	221.7	297.7

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly smoother than in the durable sector. Except for three years, 1938, 1945 and 1954, there has been no interruption in the upward movement of production during the period under review. Despite the fact that war contracts quickened the pace of output in some of the industries, production continued to expand after the war, although at a slower rate. Unlike durable goods, non-durable commodities are mostly consumers' goods and are less influenced by sudden changes in the international situation or the capital investment programmes of producers and governments. By 1953 the non-durables index of output had reached 224.1, the highest on record. It dropped somewhat in 1954 to 221.7.

The production of processed foods and beverages rose without pause throughout the period. A characteristic of most manufactured foods industries is the high ratio of the value of materials consumed to the value of products, indicating a relatively low degree of fabrication per unit of output. The advance in the production of beverages was practically uninterrupted from 1935 to the present. In 1954, the volume of output was more than 3 times what it was in the base period. The largest increases were recorded in the aerated waters and brewing industries. The indexes of these industries attained levels approaching 352 and 355 in 1954: Wine production, after reaching a peak in 1947, dropped 36 per cent in the following three years. Some recovery was recorded during the next few years and in 1954 the output of new wine was 91 p.c. of the 1947 peak. Output of liquor climbed steadily until 1946 when the index reached 209. During the next four years, the volume of production fluctuated within narrow limits and in 1952 advanced sharply to an index level of 260, with a further rise to 290 in 1953 and a decline to 282 in 1954.

The great demand for cigarettes for members of the armed forces during the war contributed largely to the considerable increase in the tobacco products index which reached the record level of 230 in 1945. The index dropped to 204 the following year, but rose gradually thereafter to 228 in 1950. Weakening demand led to a decline of 7 per cent in 1951. Rapid recovery was made during the next three years with the index rising to 279.3 in 1954, highest on record.

The contribution of the "Rubber Products" industry to the war effort was mainly in the form of tires and tubes for military vehicles and aircraft. Production of passenger car tires and tubes was sharply curtailed as was the output of rubber footwear. After marked increases in 1940 and 1941, the index remained more or less stationary at around 150 until 1945 when civilian production was resumed and the index jumped to 180. The industry-wide strike in 1946 contributed to a decline in that year, but record-breaking demand for the industry's output led to sharp advances in the following years, and in 1951 the index had reached the maximum level of 264. During the next few years the index fluctuated and in 1954 levelled off to 253.

Output of leather products rose steadily until 1946 when the index reached a high point of 168. The subsequent easing of foreign demand for the industry's products contributed to the gradual decline of production in the post-war period with the result that this group has shown the smallest growth of any in the manufacturing sector. In 1954, volume of output was only 29 per cent greater than in the base period. Production of leather tanneries was actually 4.0 p.c. lower than in 1935-39, while the output of boots and shoes was 48 per cent higher. Since 1946 the overall index dropped 23 per cent.

The textile (ex. clothing) industries reached their maximum wartime level of output in 1942 when the net index stood at 187. Production then fell off gradually until 1946 but recovered sharply in the post-war period to an index level of 212 in 1950. A slackening of demand for textile products in the latter half of 1951 resulted in a moderate decline in the index for that year with a further drop to 184 in 1952 and a slight improvement to 188 in 1953. In 1954 there was a sharp decline in volume, the index dropping to 161, the lowest since 1945. Of all the industries of the non-durable goods sector, textiles were the hardest hit by the downturn in manufacturing activity in 1954. The movement of individual industries within the group have varied over the period. After reaching its highest level in 1942,

the production of cotton goods declined steadily until 1947. After varying but fractionally in 1948 and 1949, output jumped 16 per cent in 1950, and remained practically unchanged in 1951, the recession in the last six months of the year just about offsetting the gains recorded in the first half. With continuing adverse conditions, the index dropped to a post-war low at 115 in 1954. Contributing to the higher level of net output during the period 1940-1943 in this industry was the comparatively sharp increase in production of piece-dyed and printed and painted fabrics which require considerably more processing than ordinary grey fabrics. When output of these two types of cloth declined to more normal levels, the change was reflected in the annual indexes.

Since 1938, the production index for synthetic textiles showed an unbroken record of increases and in 1951 stood at 393. The adverse conditions prevailing in the textile industry generally during the past few years also affected the output of synthetic textiles. By 1954 the index dropped to 290. Much of the credit for increasing consumer acceptance of synthetics belongs to the achievements of research in improving manufacturing and dyeing techniques and in the development of new combinations of various fibres with a new range of qualities and practical applications.

Synthetic fibres are now being used in the fabrication of a host of commodities such as suitings, overcoatings, blankets, carpets, draperies, upholstery products, tire fabrics, etc., in addition to hosiery, dress fabrics and other women's wear. Moreover, Canadian producers are now supplying the bulk of domestic synthetic raw material requirements which were formerly imported from the United States. As a result, new investment outlays by the industry have increased considerably in the post-war period.

The trend in the physical output of clothing was similar to that of other textiles, the production index reaching a peak of 162 in 1942, then declining gradually until 1945. Since then, output fluctuated within narrow limits, rising to a post-war high of 159 in 1949, a low of 150 in 1951 and with a further rise to 154 in 1952. In 1953 the index rose sharply to 167, which is an all-time high, but declined again to 145 in 1954. The industry is now facing keen competition and a more selective retail demand. By improving manufacturing methods and styling, the industry hopes to make available more desirable merchandise at lower prices. Weak demand contributed to a marked decline in the level of new investment in durable physical assets. Funds expended for new plant, machinery and equipment dropped from \$15.7 million in 1949 to an average of \$12.4 million during the past five years.

Production of paper products advanced sharply in the post-war period. The level of the index remained relatively steady from 1941 to 1944, but increased 54 per cent in the succeeding seven years to a record figure of 248. In 1952 the index dropped to 236 and increased to 254 in 1954. Activity in this sector of manufacturing is influenced mainly by the "Pulp and Paper" industry, which, in terms of value added, is the most important single manufacturing industry. In the last few years, the net value contributed by pulp and paper mills was more than twice that of any other industry. The growth of this industry during the period under review was characterized by two distinct phases. From 1935 to the end of the war, new investment by the industry was designed mainly to replace worn-out machinery and equipment and increases in output were principally the result of utilizing idle capacity after the depression of the thirties. Since 1945, however, with strong world demand for wood pulp and newsprint, together with the availability of necessary materials for expansion, the construction of new plant and the installation of new machinery and equipment reached record proportions. Investment in new plant and equipment, which averaged \$105 million during the previous three years dropped to \$69 million in 1954, a decrease of \$47 million from the record high reported in 1952.

Newsprint, pulp and paper board are the leading products of the pulp and paper industry. Production of newsprint in 1954 totalled 6,000,895 tons of which 5,521,530 tons were exported. Canada is thus the leading exporter of newsprint in the world. World exports of newsprint in 1953 are estimated at 6,481,000 tons, with Canada accounting for 82.9 p.c. of the total. Finland,

Sweden and Norway, in the order named, are other substantial exporters of newsprint and between them have accounted for 12.5 p.c. of the total. Newsprint is also Canada's leading export and in 1954 was valued at \$636,600,000.

The printing and publishing industries expanded very little during the war years. In 1944, output was only about 15 per cent greater than in the base period. Production grew rapidly, however, after the end of hostilities and in 1954, volume of output was more than double what it was in the five pre-war years, although this represents a substantially smaller advance than total manufacturing. The post-war increase coincided with the gain in the value of new investment which was mainly in the form of machinery and equipment to make up for deficiencies dating back to the depressed thirties and the war years. Investment in fixed assets totalled \$16 million in 1953 and \$31 million in 1954 as compared with only about \$2 million in 1944.

With few interruptions, output of petroleum and coal products rose steadily over the period under review to an index of 337 in 1954. Although production of coke failed to exceed its record wartime volume, petroleum refining, as the result of record-breaking post-war demand for gasoline and fuel oils, showed a marked expansion. In 1954, the production index stood at 418 compared with a wartime high of 170 in 1944. In recent years, the industry has added substantially to its refining capacity. From 1947 to 1951, expenditures for new plant, machinery and equipment which averaged more than \$37 million a year rose to \$84 million during 1952, 1953 and 1954. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1954, oil from domestic wells represented 55 per cent of the total consumed by Canadian refineries. This compared with a contribution of 22 per cent in 1949.

Output of chemical products which include ammunition and explosives reached a record-high level in 1944 when the index stood at 390. Production in the post-war period has been at a considerably lower level, but increased significantly since 1950, with the advent of the defence programme. The expansion of the industry during the war made possible the manufacture of many products which were formerly imported. In addition, several entirely new products, such as synthetic rubber, were introduced. Demand for these commodities continued in the post-war period and the development of new sources of basic materials, together with the progress of research into additional commercial uses for these new compounds resulted in further expansion of production for civilian use.

The rapid wartime advance was mainly the result of the enlargement of the munition programme with the government and private industry combining forces in the construction of a huge explosives and ammunition-filling industry. At its peak in 1943, the production index for explosives and ammunition was 20 times higher than in the base period. Output dropped very rapidly after the end of the war and in 1946 the index was down to 107.

Since the Government-owned Polymer Corporation began producing synthetic rubber in 1943, output of this important commodity has expanded considerably, to a total of 98,000 tons in 1954. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels since 1950, as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1954, synthetic rubber accounted for 41 per cent of total new rubber consumed in Canada. This commodity is classified to the "Miscellaneous Chemicals" industry.

TABLE 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-1954

(1935-39 = 100)

Year	Non-durable manufactures										
	Foods	Beverages	Tobacco and tobacco products	Rubber products	Leather products	Textile products (except clothing)	Clothing (textile and fur)	Paper products	Printing, publishing and allied trades	Products of petroleum and coal	Chemicals and allied products
1935	88.8	78.6	80.7	87.9	95.9	91.1	91.8	90.0	93.9	87.6	85.7
1936	97.7	93.2	88.9	96.2	96.3	101.7	97.0	98.9	99.5	95.7	92.1
1937	101.6	109.5	101.2	112.3	105.7	110.2	104.8	114.0	105.6	104.6	107.4
1938	102.5	107.2	110.9	97.0	93.3	88.8	93.4	91.7	98.9	102.7	103.5
1939	109.4	111.5	118.2	106.6	108.7	108.2	108.0	105.4	102.2	109.4	111.3
1940	119.4	131.0	126.6	116.5	116.1	147.6	125.5	126.6	102.1	125.9	136.2
1941	139.1	151.9	140.9	154.4	141.1	167.5	141.8	143.7	113.4	141.1	210.9
1942	144.3	174.5	171.5	150.6	150.0	186.8	161.9	143.4	114.4	138.2	345.8
1943	156.0	162.0	183.8	147.0	151.1	172.1	156.7	140.0	111.7	150.0	369.3
1944	171.1	190.5	200.6	149.0	149.6	162.0	147.1	149.1	114.9	171.8	390.4
1945	170.0	205.1	230.2	180.2	155.0	160.5	146.6	161.2	125.8	167.5	292.8
1946	177.2	234.4	204.4	158.0	167.9	161.7	152.9	188.9	143.8	167.4	237.7
1947	181.5	249.4	211.9	230.7	148.7	172.9	147.7	207.4	163.3	181.2	245.5
1948	183.0	270.9	215.8	227.6	129.6	180.2	156.0	217.7	177.2	199.0	243.2
1949	180.3	285.7	224.4	208.5	133.5	186.0	159.4	213.7	183.8	218.0	239.5
1950	183.6	282.9	227.5	251.9	126.8	212.4	155.7	230.4	195.3	243.5	253.7
1951	188.7	297.7	212.2	264.3	117.0	208.6	149.7	247.8	194.7	274.9	267.8
1952	195.5	323.6	242.3	246.4	128.0	184.1	154.4	235.5	192.4	295.1	272.4
1953	194.0	336.6	269.6	264.2	136.7	187.6	167.3	244.7	204.8	324.3	284.4
1954	198.1	328.6	279.3	252.6	128.6	161.0	145.4	254.4	214.8	336.9	285.0

Durable Manufactures

The tremendous increase in physical output during the war years was mostly concentrated in the durable goods sector. When war was declared in September, 1939, there were virtually no armament works, no production of large ships and large planes, no guns, no tanks. Within a few years Canadian plants were turning out naval and merchant ships, warplanes ranging up to the 15-ton Lancaster bomber, military vehicles, millions of rounds of ammunition and hundreds of other war items. On the base of 1935-39 the new volume index of durable manufactures reached a peak of 340 in 1944. In the following two years it declined sharply and stood at 205 in 1946. Since then it has almost regained the lost ground, and reached 298 in 1954.

The largest gain occurred in the output of transportation equipment. Due principally to the tremendous increases in

production of ships and aircraft, the index for this group of industries rose to the record level of 694 in 1944, the year of maximum war production. After reaching a post-war low of 222 in 1946, the index rose moderately during the next three years, but, spurred by the great demand for passenger cars and by the renewal of defence production, marked gains were made since 1950, with the index climbing to 436 in 1953. The minor recession in industrial production in 1954 affected this group more than any other. The index dropped to 355, a decline of 18.7 p.c. as compared with the previous year.

The iron and steel group of industries was also considerably affected by war requirements. As most of the industries in this sector were more firmly established in the pre-war period, they did not expand relatively to the same extent as shipbuilding and aircraft. When European supplies were cut off

early in the war, the Canadian basic steel industry had to rely on the United States for a greater supply and had to increase its own steel-making capacity to meet abnormal wartime requirements. However, development of the industry did not halt with end of hostilities. Canada's industrialization programme, together with strong post-war demand for consumers' durable goods, led to steady expansion of the industry so that by 1953, the index for the group stood at 291. Compared with pre-war, pig iron output had more than tripled, and steel ingot and casting production had risen by 170 and 74 per cent respectively. Due to the contraction in the demand for durable goods in 1954 the index for the group dropped to 252, down to about the 1947 level. Pig iron at 2,211,000 tons was down 27 p.c. and steel ingots at 3,195,000 were 22 p.c. lower. The additional capacity constructed during the past few years should reduce still further the country's dependence on United States imports of finished and semi-finished iron and steel shapes. Indicative of the rapid growth of the industry in recent years is the amount of funds expended for new plant, machinery and equipment. From an average annual expenditure of \$62 million during the previous five years new investment jumped to \$136 million in 1952 and \$114 million in 1953. In 1954 new investment amounted to \$88 million.

To meet the need for electrical and radar equipment and signalling devices, The "Electrical Apparatus and Supplies" industry manufactured articles during the war which were previously not made in Canada. Output of civilian radio receiving sets and appliances was severely curtailed as the industry converted the major part of its productive capacity to the manufacture of war instruments. The production index reached a wartime peak of 312 in 1944 and declined during the next two years. The industry recovered rapidly, however, as a result of accumulated demand for radios, consumers' appliances and heavy electrical equipment, and by 1952 the index had jumped 60 per cent from its 1946 post-war low, to a level of 393. Due mainly to the heavy demand for television sets, the index in 1953 advanced sharply to 487 an increase of 24 per cent over the previous year. In 1954 the index declined moderately to 478.

Production in the non-ferrous metals group of industries reached a wartime maximum in 1943 when the net index stood at 285. During the next three years, output dropped 44 per cent, but recovered steadily thereafter, backed by sustained demand for base metals. Aluminum is being fabricated into an ever-increasing variety of commodities, and production of aluminum

bars and rods, sheets, shapes, etc., reached record proportions in the post-war period. During the war years, aluminum sheet production was of a strong alloy type used principally in aircraft construction and required more fabrication than the regular type of sheet used in the production of cooking utensils and other civilian items. The index in 1954 stood at 247.

Military requirements did not affect the nature of output in the non-metallic mineral products group of industries. In war or peace, the bulk of production consists of construction materials such as cement, cement products, building brick, lime and gypsum products, glass, stone products, etc. During the war, under government control, a major proportion of these industries' products were channelled into construction of new war production plants, extensions to pre-war plants, housing for war workers and the building of training and operation facilities for the armed services. No serious reconversion problems were encountered by the non-metal industries immediately following the war. After a slight pause, following the peak of wartime output, plants turned their productive capacity towards meeting the unprecedented demands of the post-war construction boom. From a wartime maximum of 212 in 1943, the volume index dropped moderately in 1944 and 1945, but rose steeply in succeeding years to reach the record level of 410 in 1954. This was one of the few groups of the durable goods sector that continued to advance during 1954.

In the durables sector, the wood-using industries were the least affected by the war. The volume of output of wood products expanded steadily without any serious interruption throughout the war and post-war years. In 1953 the index stood at 235, the highest on record. In 1954 the index declined fractionally to 230. The two most important industries are "Sawmills" and "Furniture". The index representing the former, after reaching a wartime maximum of 140 in 1942, declined considerably in 1943, and hovered around 124 during the next two years. Beginning in 1946, output rose sharply, spurred by strong foreign and domestic demand for sawn lumber and by 1951, the index had advanced to 168, but declined to 164 in 1952. Some improvement took place in 1953 and 1954 with the index advancing to 177. Production in the furniture industry expanded throughout the period under review. The great increase in residential construction in the post-war period, together with the marked gain in new family formations created a boom for producers of house furnishings. Output of furniture jumped sharply in the three years immediately following the end of the war and rose more gradually during the subsequent period.

TABLE 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-1954

(1935-39 = 100)

Year	durable manufactures						
	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products	Miscellaneous manufactures
1935	85.3	80.5	90.0	78.5	83.8	75.7	88.1
1936	95.8	93.0	93.5	91.5	91.2	91.7	96.1
1937	108.0	118.1	114.3	106.5	118.7	117.4	104.1
1938	102.2	100.7	101.0	109.3	102.4	105.5	103.5
1939	108.8	107.7	101.3	114.3	103.8	109.8	108.2
1940	132.1	162.3	165.1	138.0	152.9	138.4	119.4
1941	150.2	238.0	291.8	193.5	225.8	184.9	170.7
1942	156.0	315.9	439.9	255.3	273.5	209.8	248.2
1943	148.4	362.4	562.8	284.9	310.5	211.6	314.6
1944	153.4	326.2	693.7	256.2	312.1	205.3	317.1
1945	155.6	265.2	453.7	193.4	258.1	195.8	275.9
1946	175.0	222.6	221.5	180.1	247.3	221.4	225.0
1947	195.6	249.9	239.5	182.8	316.8	269.8	233.4
1948	200.7	270.4	232.6	201.6	328.5	283.7	224.5
1949	202.3	264.5	243.9	200.5	333.8	284.4	261.6
1950	215.1	263.2	262.2	212.8	367.6	314.6	281.7
1951	220.6	292.2	315.0	234.7	392.3	342.1	283.2
1952	214.1	292.7	373.1	232.2	393.1	346.1	280.7
1953	235.3	290.8	436.3	243.3	486.7	399.0	323.6
1954	230.3	251.8	354.9	246.7	477.8	409.5	307.5

SECTION 3. PRODUCTION BY INDUSTRIAL GROUPS AND INDIVIDUAL INDUSTRIES

Subsection 1. Manufactures Grouped on the Standard Classification Basis

Three important changes have been made during the past few years in the methods of collecting and compiling the returns of the annual survey of manufactures. First was the adoption in 1949 of the Standard Industrial Classification. This new classification superseded the classification formerly used by the Bureau, which was based on the nature of the materials used by manufacturing establishments.

For most purposes, a classification of manufacturing industries based upon "chief component material" has in the past proved most useful in Canadian industrial classification. The Bureau's classification based on this concept has been the one most widely adopted for general purposes, such as the decennial census, foreign trade, industrial statistics, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of such a group as "Textile Products" comprised partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, which form final products such as pig iron, lumber or processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such production becomes more and more complex. The modern automotive, aircraft, shipbuilding and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the compilation of the final product. For this reason, the application of the component material classification became increasingly more difficult as Canadian manufacturing production developed and diversified.

In establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries, the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as **Foods and Beverages**, **Clothing**, **Transportation Equipment**, **Electrical Apparatus and Supplies**, have been established. Some industries were broken down, such as the electrical apparatus and supplies which now comprises five industries—(a) batteries, (b) heavy electrical machinery, (c) radios, television sets and parts, (d) refrigerators, vacuum cleaners and appliances, and (e) miscellaneous electrical products. In some cases, establishments were transferred from one industry to another in order to bring them in line with the new industries which were established. Where an industry was eliminated, the establishments were transferred to one or several industries, depending on the nature of the principal products manufactured. A check was also made of all establishments and many transfers were made where the major products of the establishment had changed materially during the years. By and large, little change was required for most industries, the only change being a transfer to the new major groups which were established.

In the Standard Classification adopted in 1949 the industries are now grouped into seventeen major groups listed in Table 11, instead of the nine groups listed in Table 13 which were formerly used as the main basis of classification. The grouping used in Table 11, where the statistics of individual industries are presented in detail, and in the historical series shown in Table 3 is, therefore, on the basis of the new Standard Industrial Classification. However, to retain some basis of continuity with the past, there is a less detailed analysis given in Table 13 on the component material classification basis, while Table 14 gives the industries on the basis of the origin of the materials used.

The second major change was the adoption of the short form in 1949, which goes a long way in relieving small manufacturers from the irksome duty of filling in complicated and detailed returns to the Bureau.

The growing complexity of modern economic life compels governments to obtain more and more data on which to base their economic policies and for the efficient discharge of their responsibilities in the ever-widening field of activity. To get this information is expensive and also throws a burden on industry in general, which of necessity must be called upon to furnish the desired data. Realizing this, and also the fact that the necessary information must be secured, the Bureau has been casting about for new statistical techniques which would lessen the burden on industry and also would, at the same time, secure substantially correct data for the use of the administrator. With manufacturing statistics, unfortunately, the sampling techniques are difficult to apply. Other methods, therefore, had to be adopted in order to lessen the burden of the smaller manufacturer at least and, at the same time, secure substantially correct results. It was found, for example, that in 1949 out of 35,792 manufacturing establishments, 21,060 with a value of production of \$50,000 or less, contributed only 2.6 p.c. of the total value of production. On the surface it looked obvious that the Bureau could exempt these 21,000 establishments from making annual returns and still obtain satisfactory results. This would be true if we were only interested in the total value of production or the total value of materials used. This, however, is not the case, as the users of the statistics are also interested in the details of the products made and the materials used. By a study of each industry it was found that by exempting the smaller establishments in some industries, that for some commodities produced or materials used there would be a 50 p.c. loss of the total. Complete exemption was therefore out of the question. New methods had to be designed to relieve small establishments of the difficult task in furnishing information. A study was therefore made of each industry classification, of which there are about 200, and different cut-off points were determined for different industries. The general rule adopted was that wherever possible establishments with a value of production of less than \$50,000 per annum should only be required to furnish that one figure to the Bureau, and that on the basis of the information received from the smaller establishments in 1948, the last year for which they were required to furnish complete details, the Bureau would estimate for each small establishment individually the number of employees, salaries and wages paid, as well as the value of materials used. This is done in order to have a hollerith card for each establishment to use in the compilations on a geographical basis. In addition to the principal statistics, details of materials used and products made by the short-form firms are also made for each industry, by province. These estimates are based on the detailed statistics supplied by the small establishments in 1948. These estimates cannot be far out, as in most industries the percentage that these smaller establishments contribute to the total for the industry is only from 10 to 20 p.c. Where it was found that there would be a great loss in commodity data, instead of asking only for the gross value of production, the smaller firms were required to fill in a shorter form which lists the commodities in which there would be a substantial loss if no information was obtained from small firms. In other cases the cut-off point was reduced to \$25,000 or \$15,000.

An important change was made in the annual census of manufactures for 1952. A shipments concept instead of the value of production statistics heretofore compiled was adopted for a large number of industries where it was known that inventory changes from year to year were only of a minor nature. The concept was not changed for industries known to experience wide fluctuations in inventory holdings, pending further study for the need of both production and shipments information. By 1954 the shipments concept was implemented for almost all industries. Industries for which production statistics are still

required are asked to report the detail of products made in physical quantities only and at the same time are required to report details of their shipments, giving both the quantity as well as the selling values at the plant. In a few industries such as sawmills, veneer and plywood, etc., production statistics only are still collected, the products made being valued on the basis of average selling prices during the current year.

The aim of the new Census of Industry schedule is to ease the burden of filling out Bureau questionnaires. The value of shipments concept for small and medium sized establishments is more realistic and more readily obtainable from the accounting records of firms, whereas the value of products made, for firms not recording such information, must be derived from special calculations. The value of shipments provides a standard basis of reporting for all establishments. Under the old system some establishments reported the value of products made and others the value of factory shipments, even though the schedule required products made to be reported. This was especially true for small and medium sized establishments. Further, a great number of firms, attempting to report production values to fulfil the requirements of the old questionnaire, in fact computed their cost of production rather than their selling value, as they were supposed to. Since the value of shipments is usually carried in the firm's accounts, the work of filling out reports should be lessened and the questionnaire should as a result be filled out more promptly. The change should ease the burden for small establishments in particular, since the value of sales is readily available from their accounting records.

Under the "value of products" concept, establishments were required to report the factory selling value of the products made, whether sold or not, the unsold portion being assigned the average selling value of similar articles sold during the year. Where no selling values were available for the unsold portion estimated values had to be assigned. Under the new concept establishments are required to report their sales during the year, regardless of when the products were made.

These two concepts give different results, the first gives the value of products made and the second the value of products sold. For a large number of industries where normally there is no significant changes in the opening and closing inventories of finished products, these two sets of figures may be used interchangeably as they both reveal more or less the value of production and are, therefore, comparable with figures for previous years. There are, however, a number of large key industries with substantial changes in their opening and closing inventories. In such industries the new concept gives quite different results to that obtained formerly. To get comparable figures, the shipments figures must be converted to a production basis by adjusting for inventory change.

The change to the new concept solved the problem of uniformity of reporting inasmuch as the smaller firms who previously were reporting shipments instead of production are now reporting correctly. However, the new method has created other problems. One of these is the calculation of "value added by manufacture," which is obtained by subtracting from the value of production the cost of materials used, including the cost of fuel and electricity. Since the value of production is not now being reported, it has to be calculated by using the following formula.

"Shipments plus closing inventory of finished products minus the opening inventory of finished products equals value of products made." In order to enable the Bureau to calculate "value added," it became necessary to ask firms to report their opening and closing inventories, broken down into (a) raw materials, (b) goods in process, and (c) finished products. These questions were added to the form for the 1954 census. As the schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added by manufacture is obtained by subtracting from the shipments the cost of materials used, including fuel and electricity.

In theory, adjustment should also be made for the change in work in process inventory, and ideally the inventory adjustment should be on a "value of the physical change" basis rather than the "change in book value." However, it has not been possible to introduce these refinements at the present time.

Another difficulty has arisen in implementing the shipments concept in the case of multiple unit firms that ship the products from the various plants to a central warehouse, located in another city, where the selling function of the firm is performed. In such cases the goods leaving the plant are considered as being shipments under our definition even though the ownership still remains with the reporting firm. Such firms are considered as performing two distinct functions—(a) manufacturing, and (b) distributing—and these two functions are treated statistically as if they were performed by two different organizations. In many cases no stock is held at the plant; consequently shipments and production reported on a plant basis are one and the same. We therefore are still getting production figures from firms that sell from a central warehouse. Where the manufactured products are billed to the warehouse, the firm is required to report the total of such billings during the year. In some cases the production and distribution functions are treated in the accounting records as a unified operation, no charge being made to the warehouse of the products shipped. In such cases firms are instructed, if possible, to report the shipments on a cost of production basis, with a percentage mark-up for profits. The aim of the Division is to get companies to report their shipments on the same basis as if they were selling to an independent wholesaler.

Having received a return from all manufacturing establishments and the value of their products totalled, the question now is "What does this total mean?" The truth of the matter is that a total value of production for a group of industries or all industries for a single year has no significant meaning. To add the value of production of flour mills to that of the baking industry would give an inflated value of production since part of the flour which was sold to bakeries is valued twice, first as a product of flour mills and again in the cost of bread. For example, if a flour mill would produce \$1.00 worth of flour and sell it to a baker, the baker would use this dollar's worth of flour, and after further processing would sell it for \$2.14 according to the experience of the baking industry for 1954. According to the statistics obtained for that year for every dollar's worth of materials used the products made were valued at \$2.14. When you add the production of these two establishments, you get a value of \$3.14. There is thus duplication where the products of one establishment become the raw materials of another establishment. However, in the present issue, the totals of gross value of production or shipments are shown as a matter of historical interest.

A more meaningful indicator had to be evolved to measure the importance and wealth created by an industry or group of industries. This was found in the concept "value added by manufacture." This figure is obtained by subtracting the cost of fuel and electricity as well as the cost of materials used from the gross value of the products, and represents the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication, within the manufacturing sector value added figures are therefore more representative of the total value of manufacturing production than the gross value of production figures.

The concept of "net value" is also important in evaluating the importance of an industry as a creator of economic wealth. Usually the gross value of production is used in ranking industries. This method has the defect of overevaluating industries that use expensive raw materials which undergo little processing. The following table ranks the fifteen leading industries in 1954 on the basis of "gross" and "net" value of production.

	Selling value of factory shipments		Value added by manufacture	
	Amount	Rank	Amount	Rank
	\$'000,000		\$'000,000	
Pulp and paper	1241.6	1	641.1	1
Non-ferrous metal smelting and refining	922.6	2	352.0	2
Petroleum products	909.3	3	309.8	3
Slaughtering and meat packing	837.5	4	157.7	9
Motor vehicles	666.3	5	176.5	8
Sawmills	572.2	6	263.6	4
Butter and cheese	412.2	7	99.4	24
Primary iron and steel	383.2	8	217.5	5
Aircraft and parts	343.0	9	181.4	7
Miscellaneous food preparations	306.5	10	90.4	27
Railway rolling stock	283.4	11	116.7	18
Bread and other bakery products	280.2	12	139.9	14
Miscellaneous electrical apparatus and supplies	267.6	13	145.6	13
Rubber goods (including footwear)	264.2	14	149.0	10
Printing and publishing	256.7	15	182.9	6

In interpreting the statistics of individual industries, it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry, amounting to \$104,853,748 in 1950, does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product is confectionery had a value of production of \$104,853,748. This figure, in addition to confectionery, includes all the subsidiary products made by these firms such as ice cream which was valued at \$2,214,689 and bread and other bakery products valued at \$2,457,312. Confectionery is also

produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to "The Alphabetical List of Products" published annually as Appendix II to this report.

Table 11 presents for the year 1954 detailed statistics regarding the individual industries under which all industrial plants in Canada are classified. The industries are further assembled under seventeen main groups according to the Standard Industrial Classification.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1954

No.	Province, industry and group	Estab- lish- ments	Supervisory and office employees ¹			Production workers		
			Male	Female	Earnings	Male	Female	Earnings
	Province	No.	No.	No.	\$	No.	No.	\$
1	Newfoundland	790	1,896	338	6,001,893	6,752	906	24,099,293
2	Prince Edward Island	209	341	105	887,343	946	382	2,112,868
3	Nova Scotia	1,526	3,827	1,032	13,899,172	21,540	3,212	57,841,068
4	New Brunswick	1,057	2,638	865	10,916,819	15,673	2,931	44,192,609
5	Quebec	12,191	63,381	24,165	335,074,103	246,557	89,992	879,587,297
6	Ontario	13,178	98,559	43,279	571,549,485	365,635	91,441	1,383,217,903
7	Manitoba	1,522	6,074	2,297	29,504,735	25,514	7,339	86,590,151
8	Saskatchewan	1,010	2,371	832	9,369,753	7,334	989	24,140,080
9	Alberta	2,052	5,878	1,894	25,181,006	21,640	3,353	71,728,883
10	British Columbia	4,462	14,754	4,356	72,549,043	68,243	8,514	247,253,871
11	Yukon and Northwest Territories	31	44	10	167,863	121	16	462,453
12	Canada	38,028	199,763	79,173	1,075,101,215	779,955	209,075	2,821,586,476
	Industrial group							
13	Foods and beverages	8,090	25,396	10,339	124,200,904	106,476	35,672	352,857,824
14	Tobacco and tobacco products	53	779	444	5,583,075	3,210	5,036	22,285,864
15	Rubber products	73	3,576	1,453	20,002,690	12,355	3,510	47,473,715
16	Leather products	673	2,804	1,257	14,918,329	15,266	11,421	52,243,428
17	Textiles	975	7,697	3,866	45,684,342	33,636	19,382	124,511,798
18	Knitting mills	297	1,578	1,287	10,373,820	6,512	12,246	37,204,015
19	Clothing	2,733	7,664	4,426	45,895,052	22,774	54,829	145,599,823
20	Wood products	12,165	21,488	3,360	64,532,715	98,899	5,184	258,589,499
21	Paper products	569	11,083	4,314	76,210,610	63,795	8,178	255,345,416
22	Printing, publishing and allied industries	4,227	16,504	10,467	87,884,805	32,880	8,763	132,391,184
23	Iron and steel products	2,801	29,307	9,837	164,855,267	127,607	6,947	440,671,262
24	Transportation equipment	602	20,575	6,149	117,350,947	103,186	3,522	361,728,803
25	Non-ferrous metal products	573	7,855	2,634	45,478,189	37,143	2,862	136,713,132
26	Electrical apparatus and supplies	457	17,140	7,312	99,068,566	35,936	14,687	159,441,035
27	Non-metallic mineral products	1,160	4,934	1,625	25,266,739	26,677	1,993	89,582,340
28	Products of petroleum and coal	104	4,522	1,571	25,985,036	11,402	64	43,686,689
29	Chemicals and allied products	1,116	11,824	6,155	73,411,733	27,603	6,021	103,900,227
30	Miscellaneous industries	1,360	5,037	2,677	28,398,396	14,598	8,759	57,350,422
	1. Foods and beverages:							
	Bakery products:							
31	Biscuits	43	389	254	2,434,103	2,360	3,233	11,542,459
32	Bread and other bakery products	2,584	3,793	1,301	14,749,036	21,905	6,884	69,055,826
	Beverages:							
33	Breweries	62	1,392	370	9,448,305	6,702	77	23,974,539
34	Carbonated beverages	536	1,812	573	8,033,339	5,063	325	12,172,836
35	Distilled liquors	21	725	329	4,274,021	2,556	1,439	11,836,814
36	Wines	20	110	49	791,867	270	55	988,762
	Canning and processing:							
37	Fish processing	586	1,504	366	5,363,097	8,721	3,611	20,638,180
38	Fruit and vegetable preparations	453	1,729	957	9,902,293	6,784	6,345	24,812,535
	Dairy products:							
39	Butter and cheese	1,467	3,273	1,681	12,793,387	14,784	861	42,228,439
40	Cheese, process	19	225	88	1,126,890	545	434	2,281,656
41	Concentrated milk products	29	197	108	989,267	1,132	56	3,219,725
42	Dairy products, other	45	148	71	709,408	436	126	1,387,698
	Grain mill products:							
43	Feeds, stock and poultry, prepared	678	1,253	447	4,648,931	4,247	160	10,696,869
44	Feed mills	640	675	73	1,183,592	906	27	1,564,021
45	Flour mills	85	879	437	4,806,825	3,465	153	10,630,046
46	Foods, breakfast	17	131	98	1,112,935	750	360	2,907,399
	Meat products:							
47	Animal oils and fats	15	50	15	332,549	261	2	736,837
48	Sausage and sausage casings	88	249	71	1,312,146	703	355	2,555,572
49	Slaughtering and meat packing	154	3,901	1,303	21,919,954	14,586	3,209	56,779,136
	Other food industries:							
50	Confectionery	190	620	486	3,760,845	3,209	4,488	15,968,363
51	Macaroni and kindred products	14	55	23	354,424	358	173	1,218,914
52	Sugar refining	11	509	109	2,832,692	2,550	258	8,519,930
53	Miscellaneous food preparations	333	1,777	1,130	11,320,998	4,183	3,041	17,141,268
54	Totals, foods and beverages	8,090	25,396	10,339	124,200,904	106,476	35,672	352,857,824
	2. Tobacco and tobacco products:							
55	Tobacco, cigars and cigarettes	39	615	421	4,678,846	2,329	4,053	19,321,561
56	Tobacco processing and packing	14	164	23	904,229	881	983	2,964,303
57	Totals, tobacco and tobacco products	53	779	444	5,583,075	3,210	5,036	22,285,864
	3. Rubber products:							
58	Rubber goods, including footwear	73	3,576	1,453	20,002,690	12,355	3,510	47,473,715
59	Totals, rubber products	73	3,576	1,453	20,002,690	12,355	3,510	47,473,715

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1954

Total employees	Total earnings	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.	\$	\$	\$	\$	\$	
9,892	30,101,186	4,056,683	46,503,032	59,483,922	109,567,770	1
1,774	3,000,211	366,727	17,001,551	6,044,749	23,469,743	2
29,611	71,740,240	10,799,692	161,294,873	129,777,850	300,072,733	3
22,107	55,109,428	12,013,502	157,215,921	118,015,815	287,350,600	4
424,095	1,214,661,400	150,486,186	2,806,248,363	2,448,027,538	5,395,786,644	5
598,914	1,954,767,388	186,767,220	4,412,536,948	3,930,730,030	8,533,167,214	6
41,224	116,454,886	10,362,958	328,827,609	232,487,743	571,408,772	7
11,526	33,509,833	7,120,080	169,326,001	104,560,398	280,733,784	8
32,765	96,909,889	11,022,083	346,524,989	219,327,509	575,277,702	9
95,867	319,802,914	31,246,094	794,885,369	651,812,950	1,474,156,242	10
191	630,316	191,003	1,492,898	1,855,633	3,536,300	11
1,267,966	3,896,687,691	424,432,228	9,241,857,554	7,902,124,137	17,554,527,504	12
177,883	477,058,728	51,193,191	2,334,166,626	1,181,648,171	3,562,546,744	13
9,469	27,868,939	688,736	144,960,769	79,439,243	225,340,976	14
20,894	67,476,405	3,999,798	106,501,858	149,073,979	264,184,787	15
30,748	67,161,757	2,065,747	101,250,853	102,339,751	206,512,812	16
64,581	170,196,140	12,245,985	350,113,694	275,492,879	640,870,047	17
21,622	47,577,835	1,848,826	70,118,825	75,754,778	150,818,573	18
89,693	191,494,875	2,881,510	339,959,417	307,783,966	650,714,545	19
128,931	323,122,214	16,507,818	623,756,753	566,188,899	1,205,959,905	20
87,370	331,556,026	88,280,640	742,032,309	802,280,157	1,630,162,601	21
68,614	220,275,989	4,613,084	188,725,630	384,791,305	577,355,291	22
173,698	605,526,529	45,735,040	829,237,679	1,085,231,674	1,954,230,964	23
133,432	479,079,750	17,455,482	986,721,281	701,600,725	1,713,962,985	24
50,494	182,191,321	60,291,269	717,966,073	486,933,852	1,263,774,817	25
75,075	258,509,601	7,423,726	396,583,427	462,960,141	863,942,144	26
35,229	114,849,079	36,238,340	145,120,516	256,951,758	435,208,000	27
17,559	69,681,725	37,395,222	625,411,385	358,372,309	1,020,911,348	28
51,603	177,311,960	32,213,247	437,051,091	476,125,328	935,724,880	29
31,071	85,748,818	3,354,557	102,179,368	149,157,222	252,306,085	30
6,236	13,976,562	1,095,538	34,299,466	35,785,072	71,116,613	31
33,883	83,804,862	9,218,717	131,119,614	139,859,357	280,207,889	32
8,541	33,422,844	2,650,996	47,590,063	147,835,626	198,390,169	33
7,773	20,206,175	2,885,929	33,721,443	71,597,104	108,158,510	34
5,049	16,110,835	2,211,672	45,250,201	81,788,290	125,966,501	35
484	1,780,629	129,689	4,680,175	7,250,707	12,045,447	36
14,202	26,001,277	2,604,471	95,632,683	55,219,381	153,456,535	37
15,815	34,714,828	2,900,671	131,554,963	82,838,842	215,030,451	38
20,599	55,021,826	7,857,789	304,836,171	99,403,809	412,205,330	39
1,292	3,408,546	113,118	22,890,147	6,442,160	29,392,633	40
1,493	4,208,992	1,440,664	51,893,016	15,567,013	68,947,504	41
781	2,097,106	348,602	5,760,265	5,084,318	11,166,353	42
6,107	15,345,800	2,794,304	152,472,708	35,646,991	190,132,599	43
1,681	2,747,613	696,595	20,325,779	4,337,564	25,307,120	44
4,934	15,436,871	1,676,219	195,322,299	35,031,653	232,363,041	45
1,339	4,020,334	314,147	9,791,577	15,088,299	25,604,147	46
328	1,069,386	248,214	2,772,368	2,461,046	5,429,970	47
1,378	3,867,718	361,320	13,635,752	9,223,215	23,159,330	48
22,999	78,699,090	4,659,853	674,151,921	157,683,565	837,508,480	49
8,803	19,729,208	1,129,825	56,319,009	46,492,747	103,314,610	50
609	1,573,338	129,908	5,941,868	3,311,813	9,384,765	51
3,426	11,352,622	2,501,162	81,010,230	33,281,483	117,807,453	52
10,131	28,462,266	3,223,788	213,194,908	90,418,116	306,451,294	53
177,883	477,058,728	51,193,191	2,334,166,626	1,181,648,171	3,562,546,744	54
7,418	24,000,407	444,874	79,009,327	72,327,224	152,033,653	55
2,051	3,868,532	243,862	65,951,442	7,112,019	73,307,323	56
9,469	27,868,939	688,736	144,960,769	79,439,243	225,340,976	57
20,894	67,476,405	3,999,798	106,501,858	149,073,979	264,184,787	58
20,894	67,476,405	3,999,798	106,501,858	149,073,979	264,184,787	59

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1954 - Continued

No.	Industries	Estab- lish- ments	Supervisory and office employees ¹			Production workers		
			Male	Female	Earnings	Male	Female	Earnings
		No.	No.	No.	\$	No.	No.	\$
4. Leather products:								
1	Footwear, leather	279	1,671	799	8,933,162	9,497	8,322	33,244,019
2	Gloves and mittens, leather	67	137	56	689,660	469	806	2,024,980
3	Leather tanning	55	393	142	2,216,137	2,969	294	8,686,578
Other leather industries:								
4	Belting, leather	12	28	17	169,756	81	8	239,346
5	Boot and shoe findings, leather	29	61	21	342,615	386	117	1,106,129
6	Miscellaneous leather goods n.e.s.	231	514	222	2,566,999	1,864	1,874	6,942,376
7	Totals, leather products	673	2,804	1,257	14,918,329	15,266	11,421	52,243,428
5. Textiles:								
Cotton goods:								
8	Cotton thread	14	111	83	812,401	184	489	1,343,272
9	Cotton yarn and cloth	50	1,564	882	8,965,108	11,431	5,988	40,482,187
10	Miscellaneous cotton goods	15	54	20	459,719	470	83	1,490,056
Woollen goods:								
11	Carpets, mats and rugs	21	146	88	948,303	816	441	3,206,882
12	Woollen cloth	74	588	318	3,545,904	3,236	2,125	11,491,635
13	Woollen yarn	49	238	164	1,460,004	1,223	1,363	5,502,628
14	Miscellaneous woollen goods	39	222	96	1,664,278	1,388	410	4,700,578
15	Synthetic textiles and silk	46	2,409	1,069	13,837,299	7,765	2,419	26,790,844
Other primary textiles:								
16	Dyeing and finishing of textiles	53	315	95	1,525,230	1,346	184	3,878,053
17	Narrow fabrics	50	193	105	1,187,193	914	850	3,623,190
Other textile industries:								
18	Automobile accessories, fabric	17	97	57	656,445	310	335	1,494,956
19	Awnings, tents and sails	128	255	81	1,043,297	585	653	2,436,228
20	Bags, cotton and jute	37	136	63	786,527	356	581	1,843,092
21	Cordage, rope and twine	16	126	61	865,866	703	308	2,835,564
22	Embroidery, pleating, hemstitching, etc.	164	229	92	1,257,610	558	1,025	2,721,241
23	Oilcloth, linoleum and other coated fabrics ..	17	439	197	3,178,727	1,409	170	4,837,478
24	Miscellaneous textiles, n.e.s.	185	575	395	3,490,431	942	1,958	5,833,914
25	Totals, textiles	975	7,697	3,866	45,684,342	33,636	19,382	124,511,798
6a. Knitting mills:								
26	Hosiery	130	697	538	4,701,320	3,651	4,819	18,485,358
27	Knitted goods	167	881	749	5,672,500	2,861	7,426	18,718,657
28	Totals, knitting mills	297	1,578	1,287	10,373,820	6,512	12,245	37,204,015
6b. Clothing:								
Men's, women's and children's clothing:								
29	Clothing, children's, factory	171	411	276	2,733,451	1,134	4,939	9,385,560
30	Clothing, men's, factory	582	2,651	1,549	15,842,107	8,701	18,985	51,736,607
31	Clothing, women's, factory	808	2,107	1,494	14,638,167	5,820	17,922	46,810,261
32	Clothing contractors, men's	152	285	48	960,484	1,155	2,636	6,130,682
33	Clothing contractors, women's	114	150	33	553,393	245	1,985	3,207,274
Miscellaneous clothing:								
34	Corsets	43	207	341	1,966,174	382	2,554	4,499,216
35	Fur dressing and dyeing	17	84	19	437,131	859	180	2,562,980
36	Fur goods	581	1,083	282	4,531,941	2,435	1,489	9,816,442
37	Gloves and mittens, fabric	14	35	32	228,596	86	542	759,841
38	Hats and caps	169	456	243	2,831,072	1,484	2,525	7,958,812
39	Oiled and waterproofed clothing	14	39	23	248,886	165	257	837,380
40	Clothing n.e.s.	68	156	86	923,650	308	815	1,894,768
41	Totals, clothing	2,733	7,664	4,426	45,895,052	22,774	54,829	145,599,823
7. Wood products:								
42	Furniture	1,775	4,072	1,202	18,239,906	22,644	1,958	59,363,650
Saw and planing mills:								
43	Flooring, hardwood	31	162	53	906,203	1,338	38	3,210,729
44	Sash, door and planing mills	1,852	3,291	600	11,473,058	15,340	155	35,925,069
45	Sawmills	7,696	11,713	826	23,468,345	44,048	423	116,103,186
46	Veneers and plywoods	56	578	203	3,509,286	7,031	1,248	22,874,354
Other wood industries:								
47	Beekeepers' and poultrymen's supplies	7	10	3	31,299	36	2	69,039
48	Boxes and baskets, wood	174	356	79	1,450,070	2,568	421	6,068,433
49	Cooperage	92	139	28	387,258	479	1	1,186,339
50	Excelsior	13	20	5	72,360	104	22	208,701
51	Lasts, trees and shoe findings	16	50	28	280,561	309	162	964,523
52	Morticians' goods	57	140	59	663,976	960	177	2,522,309
53	Woodenware	32	68	19	249,970	507	152	1,219,573
54	Wood turning	74	153	36	582,158	755	88	1,734,179
55	Miscellaneous wood products, n.e.s.	290	736	219	3,218,265	2,780	337	7,137,415
56	Totals, wood products	12,165	21,488	3,360	64,532,715	98,899	5,184	258,589,499

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1954 — Continued

Total employees	Total earnings	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.	\$	\$	\$	\$	\$	
20,289	42,177,181	679,729	58,624,941	63,839,887	123,244,402	1
1,468	2,714,640	52,201	3,773,271	3,895,263	7,879,079	2
3,798	10,902,715	1,037,697	23,532,397	17,578,302	42,609,053	3
134	409,102	24,544	513,086	768,070	1,286,612	4
585	1,448,744	75,003	2,958,023	2,127,885	5,274,404	5
4,474	9,509,375	196,573	11,849,135	14,130,344	26,219,262	6
30,748	67,161,757	2,065,747	101,250,853	102,339,751	206,512,812	7
867	2,155,673	98,837	4,669,465	4,498,973	9,166,616	8
19,865	49,447,295	3,713,258	119,204,720	70,729,737	194,691,131	9
627	1,949,775	146,879	4,507,793	2,919,598	7,556,873	10
1,491	4,155,185	263,646	6,788,923	7,672,122	14,297,936	11
6,267	15,037,539	1,241,904	28,216,765	20,047,297	49,832,851	12
2,988	6,962,632	496,258	18,407,241	10,123,963	29,245,524	13
2,116	6,364,856	400,020	16,099,720	12,583,949	29,356,726	14
13,662	40,628,143	3,538,057	57,081,320	69,984,772	132,403,283	15
1,940	5,403,283	735,071	3,029,934	7,866,533	11,631,538	16
2,062	4,810,383	237,476	7,032,981	8,634,025	15,679,678	17
799	2,151,401	82,535	6,151,233	3,603,330	9,878,843	18
1,574	3,479,525	127,382	6,676,118	5,809,750	12,544,960	19
1,136	2,629,619	100,455	22,114,334	4,254,784	28,517,109	20
1,198	3,701,430	203,673	7,901,107	6,626,696	15,045,023	21
1,904	3,978,851	77,705	2,949,857	6,439,953	9,460,994	22
2,215	8,016,205	462,892	14,561,979	16,326,952	31,248,973	23
3,870	9,324,345	313,937	24,720,204	17,370,445	42,311,987	24
64,581	170,196,140	12,245,985	350,113,694	275,492,879	640,870,047	25
9,705	23,186,678	781,766	22,507,991	34,614,972	58,477,162	26
11,917	24,391,157	1,067,060	47,610,834	41,139,806	92,341,411	27
21,622	47,577,835	1,848,826	70,118,825	75,754,778	150,818,573	28
6,760	12,119,011	200,554	23,985,014	20,261,942	44,425,468	29
31,886	67,578,714	913,654	132,032,166	106,794,010	240,390,285	30
27,343	61,448,428	709,553	115,988,150	102,520,868	218,614,357	31
4,124	7,091,166	128,957	871,017	8,938,022	9,893,602	32
2,413	3,760,667	68,225	241,278	5,097,232	5,406,735	33
3,484	6,465,390	80,426	8,903,445	12,460,721	21,351,495	34
1,142	3,000,111	94,561	963,538	4,576,202	5,634,991	35
5,289	14,348,383	314,821	36,058,592	22,019,719	58,464,790	36
695	988,437	18,953	2,062,861	2,029,493	4,220,060	37
4,708	10,789,894	260,987	11,305,582	16,595,108	28,271,272	38
484	1,086,286	16,183	2,058,974	1,785,458	3,852,006	39
1,365	2,818,418	74,636	5,468,800	4,705,191	10,189,484	40
89,693	191,494,875	2,881,510	339,959,417	307,783,966	650,714,545	41
29,876	77,605,556	2,774,828	108,912,963	121,987,089	232,704,198	42
1,591	4,116,932	214,953	9,499,352	6,359,981	15,645,422	43
19,386	47,398,127	3,262,673	119,759,450	77,231,041	200,200,315	44
57,010	139,571,531	7,438,671	301,118,370	263,629,457	572,186,498	45
9,060	26,383,641	1,051,044	40,918,186	50,879,637	92,848,867	46
51	100,338	9,377	178,358	120,088	314,044	47
3,424	7,518,503	389,320	10,406,988	11,762,273	22,645,270	48
647	1,573,597	109,125	3,259,948	2,254,537	5,596,393	49
151	281,061	34,039	320,237	377,231	728,801	50
549	1,245,084	32,218	1,166,125	1,872,703	3,054,898	51
1,336	3,186,285	137,546	3,769,161	4,947,154	8,843,222	52
746	1,469,543	88,968	1,447,530	2,175,873	3,601,064	53
1,032	2,316,337	111,695	3,015,333	3,369,496	6,487,527	54
4,072	10,355,680	853,361	19,986,752	19,220,339	41,103,386	55
128,931	323,122,214	16,507,818	623,756,753	566,186,899	1,205,959,905	56

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1954 - Continued

No.	Industries	Estab- lish- ments	Supervisory and office employees ¹			Production workers		
			Male	Female	Earnings	Male	Female	Earnings
		No.	No.	No.	\$	No.	No.	\$
1	8. Paper products:							
2	Boxes and bags, paper	204	1,661	820	10,655,823	6,987	4,415	29,976,600
3	Pulp and paper	125	7,361	2,328	53,304,859	50,309	839	199,293,524
4	Roofing paper	28	820	350	3,829,436	1,404	75	4,615,665
5	Miscellaneous paper goods	212	1,241	816	8,420,492	5,095	2,849	21,459,627
5	Totals, paper goods	569	11,083	4,314	76,210,610	63,795	8,178	255,345,416
6	9. Printing, publishing and allied industries:							
7	Commercial printing:							
7	Printing and bookbinding	1,765	4,174	1,970	21,853,786	12,879	5,184	50,358,874
8	Trade composition	53	144	46	880,382	642	27	2,595,756
8	Engraving, stereotyping and allied industries:							
9	Engraving, stereotyping and electrotyping	138	614	325	4,499,030	2,851	552	13,408,160
10	Lithographing	85	597	385	4,333,401	2,445	952	10,918,697
10	Printing and publishing:							
11	Printing and publishing	800	3,414	4,876	45,364,930	14,063	2,048	55,109,697
12	Publishing (only) of periodicals	1,386	2,561	2,865	10,953,276	—	—	—
12	Totals, printing, publishing and allied industries	4,227	16,504	10,467	87,884,805	32,880	8,763	132,391,184
13	10. Iron and steel products:							
14	Agricultural implements	76	2,289	567	11,690,306	8,956	93	28,534,665
15	Boilers, tanks and platework	89	1,816	567	10,271,417	5,602	142	20,276,286
16	Bridgebuilding and structural steel	43	2,320	498	13,264,243	8,023	40	28,903,739
17	Castings, iron	202	1,600	593	9,213,915	11,331	224	38,321,382
18	Hardware, tools and cutlery	379	1,996	925	11,710,472	8,879	1,464	30,497,057
19	Heating and cooking apparatus	120	1,508	666	8,611,511	6,501	230	19,832,970
20	Machinery, household, office and store	73	1,372	526	7,875,891	5,633	876	20,249,656
21	Machinery, industrial	312	4,970	1,914	28,385,901	15,517	445	52,103,745
22	Machine shops	653	1,351	238	5,715,031	4,671	65	13,480,427
23	Machine tools	14	311	102	1,863,414	1,080	5	3,760,595
24	Primary iron and steel	51	3,526	940	21,467,572	24,205	190	87,349,858
25	Sheet metal products	343	2,826	1,022	16,152,834	12,560	1,641	45,291,941
26	Wire and wire products	126	1,356	586	7,922,498	6,178	611	21,849,061
27	Miscellaneous iron and steel products	320	2,066	593	10,710,462	8,571	921	30,219,880
27	Totals, iron and steel products	2,801	29,307	9,837	164,855,267	127,607	6,947	440,671,262
28	11. Transportation equipment:							
29	Aircraft and parts	47	8,080	2,696	46,068,342	23,560	759	89,795,148
30	Bicycles and parts	6	161	81	890,400	733	78	2,527,739
31	Boat building	200	299	51	890,383	1,200	22	3,033,526
32	Carriages, wagons and sleighs	37	99	38	492,566	544	149	1,659,777
33	Motor vehicles	20	4,991	1,440	31,003,977	21,186	332	75,058,462
34	Motor vehicle parts	180	2,717	973	16,437,344	12,716	1,957	49,103,099
35	Railway rolling stock	36	2,241	323	11,502,181	26,537	113	85,360,263
36	Ship building	76	1,987	547	10,065,754	16,710	112	55,190,789
36	Totals, transportation equipment	602	20,575	6,149	117,350,947	103,186	3,522	361,728,803
37	12. Non-ferrous metal products:							
38	Aluminum products	99	1,621	857	9,730,786	4,222	303	14,083,431
39	Brass and copper products	156	1,322	549	8,254,573	6,238	421	21,876,552
40	Jewelry and silverware	217	695	432	3,785,507	2,477	1,470	9,701,872
41	Non-ferrous metal smelting and refining	22	3,604	578	20,171,958	21,817	49	82,424,012
42	White metal alloys	56	493	170	2,766,766	2,122	518	7,677,868
43	Miscellaneous non-ferrous metal products	23	120	48	768,599	267	101	949,397
43	Totals, non-ferrous metal products	573	7,855	2,634	45,478,189	37,143	2,862	136,713,132
44	13. Electrical apparatus and supplies:							
45	Batteries	31	416	221	2,639,085	1,098	387	4,617,105
46	Radio and television sets, and parts	120	4,558	2,282	26,288,104	5,698	5,482	30,104,134
47	Refrigerators, vacuum cleaners and appliances	86	1,744	746	9,649,160	5,330	1,269	19,850,956
48	Machinery, heavy, electrical	63	5,490	1,930	30,991,973	12,029	2,771	52,116,506
49	Miscellaneous electrical apparatus and supplies	157	4,932	2,133	29,500,244	11,781	4,778	52,752,334
49	Totals, electrical apparatus and supplies	457	17,140	7,312	99,068,566	35,836	14,687	159,441,035

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value added and Shipments of the Manufacturing Industries, 1954 - Continued

Total employees	Total earnings	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.	\$	\$	\$	\$	\$	
13,883	40,632,423	1,353,639	116,589,711	77,323,737	194,242,948	1
60,837	252,598,583	84,890,786	515,257,595	641,410,070	1,241,558,451	2
2,649	8,445,101	653,151	20,361,637	18,057,650	38,931,254	3
10,001	29,880,119	1,383,064	89,823,366	65,488,700	155,429,948	4
87,370	331,556,026	88,280,640	742,032,309	802,280,157	1,630,162,601	5
24,207	72,212,660	1,672,495	67,106,324	118,661,593	186,897,471	6
859	3,476,138	54,064	353,648	4,756,409	5,164,320	7
4,342	17,907,190	359,844	6,670,982	26,107,556	33,137,391	8
4,379	15,252,098	272,719	18,256,731	25,274,728	43,628,181	9
29,401	100,474,627	2,253,972	71,646,945	182,853,728	256,699,637	10
5,426	10,953,276	—	24,691,000	27,137,291	51,828,291	11
68,614	220,275,989	4,613,094	188,725,630	384,791,305	577,355,291	12
11,805	40,224,971	1,741,790	66,712,190	49,240,666	119,006,228	13
8,127	30,547,703	1,160,741	35,858,003	50,441,898	87,623,775	14
10,881	42,167,982	1,394,349	67,131,407	87,577,222	156,102,978	15
13,748	47,535,297	2,826,611	61,661,101	76,670,172	139,904,793	16
13,264	42,207,529	1,843,959	40,147,473	77,271,555	118,483,115	17
8,905	28,444,481	1,390,413	48,143,503	52,907,300	102,113,389	18
8,507	28,125,347	977,779	42,375,333	52,720,674	95,986,387	19
22,846	80,489,646	2,598,522	83,932,026	147,169,756	233,670,284	20
6,325	19,195,458	826,610	12,935,630	27,271,344	40,943,452	21
1,498	5,624,009	157,147	4,838,542	8,039,688	12,554,066	22
28,861	108,817,430	23,730,461	145,110,350	217,487,185	383,154,196	23
18,049	61,444,775	2,316,195	118,832,538	112,234,492	232,686,878	24
8,731	29,771,559	1,646,036	55,200,513	50,235,245	105,900,500	25
12,151	40,930,342	3,124,427	46,359,070	75,964,477	126,100,923	26
173,698	605,526,529	45,735,040	829,237,679	1,085,231,674	1,954,230,964	27
35,095	135,863,490	2,735,388	158,893,485	181,381,957	343,010,830	28
1,053	3,418,139	136,287	2,117,083	6,429,952	8,718,202	29
1,572	3,923,909	143,392	3,758,724	5,673,146	9,292,424	30
830	2,152,343	89,807	3,471,520	4,079,487	7,541,123	31
27,949	106,062,439	4,322,736	477,309,375	176,473,282	666,286,542	32
18,363	65,540,443	3,810,974	122,691,526	112,253,910	239,108,407	33
29,214	96,862,444	4,442,645	162,219,587	116,736,335	282,398,567	34
19,356	65,256,543	1,774,253	56,259,981	98,572,656	156,606,890	35
133,432	479,079,750	17,455,482	986,721,281	701,600,725	1,713,962,985	36
7,003	23,814,217	1,686,960	46,270,718	33,475,069	80,523,167	37
8,530	30,131,125	2,086,062	99,886,257	56,179,619	157,907,751	38
5,074	13,487,379	386,005	23,986,439	22,183,114	46,792,579	39
26,048	102,595,970	55,225,387	515,315,655	352,037,956	922,578,998	40
3,303	10,444,634	795,903	29,671,943	19,892,113	45,823,446	41
536	1,717,996	110,952	2,835,061	3,165,981	6,148,876	42
50,494	182,191,321	60,291,269	717,966,073	486,933,852	1,263,774,817	43
2,122	7,256,190	419,830	19,582,999	14,713,016	35,302,822	44
18,020	56,392,238	945,091	124,696,952	104,044,924	228,511,630	45
9,089	29,500,116	1,628,002	58,941,561	70,807,843	130,402,343	46
22,220	83,108,479	2,006,771	70,205,741	127,755,011	202,150,926	47
23,624	82,252,578	2,424,032	123,156,174	145,639,347	267,574,423	48
75,075	258,509,601	7,423,726	396,583,427	462,960,141	863,942,144	49

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of Manufacturing Industries, 1954 - Continued

No.	Industries	Estab- lish- ments	Supervisory and office employees ¹			Production workers		
			Male	Female	Earnings	Male	Female	Earnings
			No.	No.	\$	No.	No.	\$
14	Non-metallic mineral products:							
1	Abrasive, artificial	17	415	176	2,510,740	1,978	69	7,479,360
2	Asbestos products	16	315	119	1,585,209	1,270	181	4,870,377
3	Cement, hydraulic	12	231	33	1,156,204	2,338	3	8,762,189
4	Clay products from domestic clay	125	335	94	1,774,576	3,593	80	11,068,195
5	Clay products from imported clay	36	244	84	1,328,283	1,252	464	4,967,391
6	Concrete products	555	1,320	244	5,391,224	5,935	40	17,240,149
7	Glass and glass products	117	859	476	5,225,225	5,194	997	19,473,584
8	Gypsum products	12	294	117	1,736,581	1,286	10	3,812,700
9	Lime	40	87	17	422,793	911	2	2,945,629
10	Salt	13	188	62	979,011	489	50	1,557,022
11	Sand-lime brick	4	14	1	68,541	131	—	428,457
12	Stone products	159	425	130	2,043,431	1,785	16	5,218,486
13	Miscellaneous non-metallic mineral products	54	207	72	1,044,921	515	81	1,758,801
14	Totals, non-metallic mineral products	1,160	4,934	1,625	25,266,739	26,677	1,993	89,582,340
15	Products of petroleum and coal:							
16	Coke and gas products	26	950	374	4,981,731	3,435	—	11,315,050
17	Petroleum products ³	61	3,485	1,156	20,557,336	7,780	55	31,758,872
17	Miscellaneous products of petroleum and coal ..	17	87	41	445,969	187	9	622,767
18	Totals, products of petroleum and coal	104	4,522	1,571	25,985,036	11,402	64	43,696,689
19	Chemicals and allied products:							
20	Acids, alkalies and salts	43	2,034	568	11,696,998	5,764	42	21,728,866
21	Fertilizers	38	710	146	3,788,129	2,179	14	7,815,351
22	Medicinal and pharmaceutical preparations	216	1,512	1,474	11,643,992	2,237	2,137	11,004,155
23	Paints, varnishes and lacquers	124	1,504	807	9,125,176	3,086	322	10,499,448
24	Primary plastics	22	769	297	4,838,966	1,656	86	6,351,687
25	Soaps, washing compounds and cleaning pre- parations	141	1,013	554	6,265,135	1,792	397	7,296,748
26	Toilet preparations	94	326	428	2,654,897	457	837	2,492,221
26	Vegetable oils	12	167	69	1,024,526	430	2	1,437,968
27	Other chemical industries:							
28	Adhesives	28	145	89	849,081	357	30	1,138,061
29	Coal tar distillation	11	132	35	805,866	370	7	1,296,004
30	Gases, compressed	46	341	237	1,899,043	726	1	2,456,097
31	Inks	33	210	105	1,338,492	597	52	1,828,310
32	Polishes and dressings	50	206	183	1,485,255	295	166	1,102,111
32	Miscellaneous chemical products, n.e.s.	258	2,755	1,163	15,996,177	7,637	1,928	27,453,200
33	Totals, chemicals and allied products	1,116	11,824	6,155	73,411,733	27,603	6,021	103,900,227
34	Miscellaneous industries:							
35	Brooms, brushes and mops	92	282	177	1,620,073	1,128	525	3,319,441
36	Clocks, watches and watch cases	35	155	113	1,126,949	385	453	2,245,065
37	Fountain pens and pencils	17	149	140	1,033,343	289	488	2,005,812
38	Musical instruments	26	174	126	834,284	885	194	2,754,185
39	Plastics products	154	549	277	3,129,774	1,652	1,442	6,860,067
40	Scientific and professional equipment	139	1,637	779	8,750,924	3,130	1,209	13,768,543
41	Sporting goods	82	247	115	1,293,014	749	553	2,838,177
42	Toys and games	52	119	75	843,815	428	715	2,290,951
42	Typewriter supplies	10	74	51	534,398	181	103	676,929
43	Other miscellaneous industries:							
44	Artificial flowers and feathers	43	56	34	290,443	120	293	641,232
45	Buttons, buckles and fasteners	44	208	137	1,395,629	576	671	2,742,821
46	Candles	15	34	22	204,409	121	67	387,857
47	Hair goods	15	19	12	106,487	59	11	166,670
48	Ice, artificial	69	122	43	511,080	502	6	1,386,588
49	Lamps, electric and lamp shades	66	122	99	751,188	544	514	1,879,426
50	Models and patterns, excluding paper	66	94	11	388,679	243	5	832,135
51	Pipes, lighters and smokers' supplies	12	34	26	214,061	93	81	403,024
52	Signs, electric, Neon and other	206	501	168	2,646,188	1,916	146	5,847,144
53	Stamps and stencils, rubber and metal	61	130	79	777,239	490	199	1,787,148
54	Statuary, art goods, regalia and novelties	111	145	53	599,647	422	326	1,456,238
55	Umbrellas	8	16	13	101,671	35	128	257,158
55	Miscellaneous industries	37	170	127	1,245,101	650	630	2,803,811
56	Totals, miscellaneous industries	1,360	5,037	2,677	28,398,396	14,598	8,759	57,350,422
57	Grand totals, all industries	38,028	199,763	79,173	1,075,101,215	779,955	209,075	2,821,586,476

1. Includes about 25,000 "Working proprietors".

2. See footnote 3. Table 3, p. 14.

3. See footnote 4. Table 3, p. 14.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of Manufacturing Industries, 1954 — Concluded

Total employees	Total earnings	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.	\$	\$	\$	\$	\$	
2,638	9,990,100	3,952,382	15,443,744	20,020,949	38,653,517	1
1,885	6,455,586	620,999	10,397,068	12,589,484	23,768,768	2
2,605	9,918,393	11,576,516	10,667,304	39,953,127	62,196,947	3
4,102	12,842,771	5,253,397	770,415	26,336,286	32,360,098	4
2,044	6,295,674	847,464	4,091,984	10,926,729	15,985,555	5
7,539	22,631,373	2,843,487	46,804,232	53,338,345	102,098,151	6
7,526	24,698,809	4,315,580	26,606,278	38,043,507	67,988,201	7
1,707	5,549,281	1,273,327	11,556,380	13,144,867	25,749,404	8
1,017	3,368,422	3,382,054	1,295,963	10,810,714	15,488,731	9
789	2,536,033	758,120	1,944,611	7,151,404	9,854,135	10
146	496,998	78,914	515,425	1,349,877	1,930,525	11
2,356	7,261,917	854,481	8,292,982	15,812,668	24,870,273	12
875	2,803,722	481,619	6,734,130	7,473,801	14,263,695	13
35,229	114,849,079	36,238,340	145,120,516	256,951,758	435,208,000	14
4,759	16,296,781	6,036,155	54,020,106	44,870,308	104,926,569	15
12,476	52,316,208	31,215,380	568,541,677	309,795,241	909,252,514	16
324	1,068,736	143,687	2,849,602	3,706,760	6,732,265	17
17,559	69,681,725	37,395,222	625,411,385	358,372,309	1,020,911,348	18
8,408	33,425,864	13,358,379	49,400,551	79,376,289	142,001,601	19
3,049	11,603,480	2,992,340	41,275,216	39,654,741	78,149,303	20
7,380	22,648,147	864,899	31,257,738	66,414,045	97,395,558	21
5,719	19,624,624	831,292	55,060,771	51,899,254	107,727,373	22
2,808	11,190,653	1,685,824	30,973,562	26,892,324	58,861,800	23
3,756	13,561,883	1,250,280	41,125,268	50,835,903	92,526,204	24
2,048	5,147,118	119,948	12,197,035	19,877,952	31,943,143	25
668	2,462,494	628,717	45,087,723	8,205,689	53,120,709	26
621	1,987,142	367,922	6,213,522	5,946,176	12,772,801	27
544	2,101,870	655,821	7,417,777	4,752,227	12,878,275	28
1,305	4,355,140	513,145	2,622,602	12,746,767	15,873,288	29
964	3,166,802	114,890	5,144,564	8,245,627	13,396,490	30
850	2,587,366	102,666	7,884,495	9,802,348	17,718,078	31
13,483	43,449,377	8,726,824	101,390,267	91,475,977	201,340,257	32
51,603	177,311,960	32,213,247	437,051,091	476,125,328	935,724,880	33
2,112	4,939,514	157,819	7,920,853	8,713,647	16,554,807	34
1,106	3,372,014	50,446	6,110,485	6,133,062	12,238,697	35
1,066	3,038,155	75,913	4,219,594	6,584,899	10,702,089	36
1,379	3,588,469	144,376	3,373,189	6,704,739	10,240,585	37
3,920	9,989,841	504,209	18,526,126	18,601,356	37,480,878	38
6,755	22,519,467	523,231	22,824,964	38,070,305	59,743,340	39
1,664	4,131,191	147,838	5,083,136	6,998,099	12,084,703	40
1,337	3,134,766	119,784	5,608,244	5,145,063	10,937,953	41
409	1,211,327	36,595	2,256,261	2,525,928	4,837,619	42
503	931,675	27,228	952,970	1,596,385	2,558,585	43
1,592	4,138,450	115,798	4,420,926	6,249,338	10,759,859	44
244	592,266	34,812	1,102,580	1,575,552	2,700,401	45
101	273,157	7,326	881,915	438,008	1,307,095	46
673	1,897,668	576,461	129,443	3,801,310	4,513,431	47
1,279	2,630,614	95,894	4,486,425	4,822,256	9,375,993	48
353	1,220,814	33,365	339,585	1,564,447	1,937,044	49
234	617,085	22,059	885,937	1,309,246	2,058,944	50
2,731	8,493,332	430,412	6,444,124	13,391,309	20,273,968	51
898	2,564,387	60,046	1,356,837	3,475,776	4,875,848	52
946	2,055,885	67,918	1,509,980	3,175,232	4,712,658	53
192	358,829	8,331	688,081	702,359	1,383,343	54
1,577	4,046,912	114,696	3,077,703	7,578,846	11,028,245	55
31,071	85,748,818	3,354,557	102,179,368	149,157,222	252,306,085	56
1,267,966	3,896,687,691	424,432,228	9,241,857,554	7,902,124,137	17,554,527,504	57

Table 12 gives the amount and value of each of the principal commodities produced or shipped by the manufacturing industries of Canada. Commodities produced in small quantities

are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix II of this report.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1954

Note: Since 1952 the basis of collection is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked* are still on a production basis.

	Unit of measure	Quantity	Value
			\$
Food:			
Biscuits, all kinds	lb.	236,902,540	66,070,322
Bread	"	1,525,974,000	173,166,427
Butter, factory made	"	316,781,734	184,742,536
Cheese, factory made	"	153,142,290	49,793,305
Confectionery, all kinds	—	—	75,363,925
Cream, sold in dairy factories	lb. b.f.	26,907,155	29,516,389
Feed, chopped, grain	ton	532,577	30,703,705
Feeds, stock and poultry, prepared	"	2,088,290	170,969,205
Fish, canned and otherwise prepared*	lb.	271,473,296	71,178,800
Flour, wheat	bbl.	20,837,671	177,870,676
Fruits and vegetables, canned	lb.	582,112,121	75,059,995
Fruits and vegetables, frozen*	—	—	9,349,267
Ice cream, factory made	gal.	27,976,186	46,598,754
Jams, jellies and marmalades*	—	—	20,067,696
Lard	lb.	93,927,740	17,181,197
Meats, canned incl. poultry, pastes, etc.	"	68,029,709	33,720,611
Meats, cooked, including sausage, wieners, etc.	"	238,671,107	95,414,327
Meats, cured and smoked	"	226,878,266	123,748,512
Meats, sold fresh and frozen, including poultry	"	1,439,405,208	474,308,910
Milk, sold in dairy factories	gal.	175,297,372	122,900,489
Milk, evaporated and condensed	lb.	297,805,823	35,627,414
Pickles, relishes and catsup	—	—	18,279,860
Pies, cakes and pastry	—	—	72,127,030
Powders, edible (custard, jelly, milk, etc.)	—	—	33,739,763
Shortening	lb.	157,106,453	37,307,514
Soups, canned (except infants)	"	212,397,846	34,104,633
Sugar, granulated (cane and beet)	"	1,248,624,972	96,047,544
Tea and coffee, roasted, blended and packed	"	115,589,949	124,267,838
Beverages: 1			
Aerated waters*	gal.	105,930,881	92,770,753
Beer, ale, stout and porter (sales)	"	200,459,309	317,725,745
Spirits, potable, sold (net sales)	proof gal.	11,946,178	91,407,737
Wine, sold	Imp. gal.	4,546,411	11,635,797
Tobacco and Tobacco Products: 1			
Cigarettes	M.	22,425,791	303,682,204
Cigars	"	240,520	17,925,856
Tobacco, chewing, smoking and snuff*	lb.	27,284,959	68,074,687
Tobacco, raw leaf, processed*	"	122,254,714	73,307,323
Textile Products except Clothing:			
Bags, cotton and jute	No.	118,494,903	23,463,072
Blankets	—	—	13,222,927
Carpets, mats and rugs	—	—	13,376,425
Cotton fabrics	—	—	104,812,860
Synthetic woven fabrics, all types	yd.	83,002,938	57,816,485
Tire fabrics*	lb.	26,981,597	22,274,686
Twine and cordage	—	—	12,650,223
Woven fabrics, wool or containing wool	sq. yd.	22,438,542	39,436,580
Yarns, cotton, rayon, wool, etc. (for sale)*	—	—	112,640,049
Clothing:			
Coats and overcoats, cloth, men's and youths'	No.	604,036	18,501,714
Coats, wool, women's and misses'	"	1,582,413	36,281,941
Coats, fur and fur-lined (factory made)	—	—	47,173,639
Short coats (including windbreakers, mackinaws, parkas, leather coats, etc.)	doz.	351,568	26,043,746
Dresses, women's and misses'	No.	12,725,049	73,781,295
Footwear, leather	pr.	32,147,026	115,004,524
Footwear, rubber*	doz.	11,807,103	28,453,364
Gloves and mittens, all kinds	doz. pr.	1,839,334	13,565,792
Hats and caps, men's	doz.	691,894	10,574,597
Hats, women's and children's	"	472,747	13,056,018
Hosiery, all kinds	doz. pr.	10,231,726	60,022,783
Shirts, fine, work and sport	doz.	2,425,016	51,814,735
Sport suits, slacks and other sport clothing n.e.s.	—	—	14,672,657
Suits, men's and youths', fine, woollen	No.	1,265,001	49,395,783
Underwear	—	—	32,313,346
Wood Products:			
Boxes, wooden	—	—	12,157,664
Lumber planed	M. ft. b.m.	3,850,196	282,993,372
Lumber sawn	"	4,789,233	303,177,741
Pulp, wood, made for sale	S ton	1,859,483	222,599,258
Sash, doors and other mill work	—	—	66,807,575
Paper Products:			
Bags, paper	—	—	45,273,773
Boxes, paper	—	—	147,624,495
Paper, book and writing	ton	269,353	68,613,807
Paper, newsprint	"	6,000,895	657,487,344
Paper boards, all types	"	940,196	117,172,691

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1954 - Concluded

	Unit of measure	Quantity	Value
			\$
Printing, Publishing and Allied Industries:			
Books and catalogues printed and bound	—	—	34,734,920
Other advertising matter printed	—	—	45,796,251
Periodicals printed for publishers	—	—	21,544,914
Periodicals printed by publishers:			
Subscriptions and sales	—	—	59,954,686
Gross revenue from advertising	—	—	160,549,493
Sheet forms commercial, legal, etc. printed	—	—	43,742,586
Iron and Steel Products:			
Bars, iron and steel, hot rolled (sold)	ton	445,519	56,525,130
Boilers, heating and power	—	—	16,349,051
Castings, grey iron, made for sale	—	—	33,439,275
Farm implements and parts	—	—	113,089,000
Forgings, steel and other	—	—	25,307,936
Hardware, builders' and other	—	—	39,356,000
Machinery industrial, household, office and store and parts	—	—	50,853,188
Pig iron (sold)	ton	455,552	22,142,040
Pipes, tubing and fittings, iron and steel	—	—	85,551,000
Rolled iron and steel forms, semi-finished, sold	net ton	150,917	12,748,936
Sheets, bars and other cold-rolled products, sold	"	557,083	95,146,949
Steel ingots and castings, sold	"	86,066	35,434,713
Steel shapes erected, buildings, bridges, etc.*	"	342,657	106,206,032
Steel shapes, structural, made in primary mills	"	180,144	18,954,742
Stoves, coal, wood, electric and gas	—	—	42,549,729
Tools and implements, hand, all kinds and parts	—	—	29,676,000
Wire, wire rope and cable, steel	—	—	36,842,971
Transportation Equipment:			
Aircraft, including parts and repairs*	—	—	269,275,825
Automobiles, commercial	No.	69,454	117,613,726
Automobiles, passenger	"	287,191	436,820,430
Automobile parts and accessories incl. tires	—	—	406,315,000
Buses	No.	438	4,678,083
Cars, railway, complete, freight and passenger	"	8,287	88,394,712
Locomotives, diesel-electric, new	"	244	41,105,438
Ships and ship repairs*	—	—	180,286,323
Non-ferrous Metal Products:			
Jewelry	—	—	18,195,747
Kitchenware, aluminum	—	—	8,071,507
Silver-plated ware	—	—	10,548,924
Smelter and refinery products*	—	—	922,578,998
Electrical Apparatus and Supplies:			
Batteries, electric and parts	—	—	30,795,737
Radio receiving sets, complete	No.	487,620	16,509,275
Refrigerators, household, mechanical	"	229,945	44,033,304
Television sets	"	611,206	105,682,414
Wires and cables, electric	—	—	122,928,760
Non-Metallic Mineral Products:			
Abrasives, artificial	ton	250,178	25,828,451
Coke, gas-house*	"	3,424,218	50,537,888
Concrete, ready-mixed	—	—	42,753,235
Gas, manufactured and natural, sold*	M. cu. ft.	113,781,486	69,258,359
Glass, pressed and blown (bottles, sealers, ovenware) etc.	—	—	41,739,445
Chemicals and allied Products:			
Calcium and sodium compounds	—	—	41,812,572
Enamels, lacquers and varnishes	—	—	44,496,262
Fertilizers, mixed	ton	668,200	32,120,000
Medicinal and pharmaceutical preparations	—	—	90,799,000
Paints, mixed, ready for use	Imp. gal.	10,889,581	40,328,532
Synthetic resins	—	—	36,647,000
Soaps and synthetic detergents	lb.	294,896,000	70,633,000
Toilet preparations	—	—	41,105,000
Miscellaneous:			
Bags, hand and hand luggage	—	—	14,238,215
Brooms and household brushes	doz	904,688	5,005,317
Cans, metal, for food	—	—	54,933,274
Furniture, wood and metal	—	—	176,317,931
Gasoline*	Imp. gal.	2,438,654,370	446,868,591
Leather, shoe	—	—	31,403,987
Mattresses	—	—	18,410,784
Mops, floor	—	—	2,286,622
Oil, fuel	Imp. gal.	2,715,235,836	329,813,361
Pianos, organs and parts	—	—	4,339,457
Scientific and professional equipment	—	—	51,727,273
Sporting goods	—	—	12,753,554
Springs, bed and other furniture	—	—	10,116,441
Toys and games	—	—	17,711,335

1. Includes excise taxes on prime cost of "Spirits" and "Tobacco Products".

Subsection 2. Manufactures Classified on the Chief Component Material Classification Basis

For the most purposes a classification of manufacturing industries based upon "chief component materials" has, in the past, proved most useful in Canadian industrial classification. For this reason the Bureau's classification based upon this concept has been the one most widely used for general purposes such as the Decennial Census, Vital Statistics, foreign Trade, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of a group "Textile Products", composed partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, i.e., when its final products are chiefly such items as pig iron, lumber and processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods

for final consumption, the combination of ingredients in such output becomes more and more complex. The modern automotive, aircraft, shipbuilding, and electrical apparatus industries, are examples in which a wide variety of materials must be assembled for the completion of the final product.

In recent years Canada's industrial system has undergone considerable development. Consequently in establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established.

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-1934

Industrial group and year	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	No.	\$	\$	\$	\$
1917						
Vegetable products	4,151	62,791	45,916,557	367,214,061	183,782,501	550,996,562
Animal products	5,486	46,994	35,753,133	320,302,039	124,107,990	444,406,029
Textiles and textile products	1,033	76,315	47,386,592	131,071,158	109,227,157	240,238,315
Wood and paper products	7,258	153,701	115,198,434	150,122,143	249,201,596	399,323,739
Iron and its products	1,495	161,745	161,875,426	378,193,116	371,792,489	749,985,605
Non-ferrous metal products	296	18,220	15,898,890	46,445,469	41,039,351	87,484,820
Non-metallic mineral products	1,075	20,781	18,224,724	36,994,392	58,092,396	95,086,788
Chemicals and allied products	539	56,153	51,505,484	99,068,092	131,381,995	230,450,576
Miscellaneous industries	512	9,823	6,042,604	10,268,341	12,510,505	22,778,846
Totals, 1917	21,845	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1920						
Vegetable products	4,549	74,241	77,750,189	536,828,044	239,328,371	776,156,415
Animal products	4,823	48,687	54,291,606	400,496,354	152,995,130	553,491,444
Textiles and textile products	1,304	87,730	84,433,609	256,233,300	173,741,035	429,974,335
Wood and paper products	7,881	144,391	172,368,578	309,813,724	417,256,115	727,069,839
Iron and its products	1,789	164,087	231,595,911	377,499,134	411,875,057	789,374,191
Non-ferrous metal products	324	23,162	27,895,343	48,434,120	52,847,178	101,281,298
Non-metallic mineral products	846	25,500	32,351,764	69,856,558	80,205,472	150,062,030
Chemicals and allied products	464	17,653	22,193,421	62,644,608	65,183,212	127,827,820
Miscellaneous industries	552	13,442	14,613,455	23,465,807	27,841,778	51,307,585
Totals, 1920	22,532	518,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1929						
Vegetable products	5,350	91,032	95,853,121	431,595,751	341,688,938	783,706,883
Animal products	4,490	87,670	62,081,423	345,351,882	127,929,857	477,761,855
Textiles and textile products	1,534	103,881	94,969,433	217,954,088	180,469,064	403,205,809
Wood and paper products	7,392	164,572	192,088,948	313,797,201	381,485,477	724,972,308
Iron and its products	1,224	142,772	203,740,658	405,818,468	367,465,582	790,726,338
Non-ferrous metal products	408	39,867	54,501,806	124,900,632	150,415,215	283,545,666
Non-metallic mineral products	843	29,257	38,958,390	112,573,103	99,065,847	229,774,300
Chemicals and allied products	554	16,694	22,639,449	55,184,337	78,785,911	138,545,221
Miscellaneous industries	421	10,786	12,457,989	22,495,351	28,081,046	51,207,736
Totals, 1929	22,216	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1933						
Vegetable products	5,916	75,416	68,535,349	226,879,373	196,820,952	432,315,617
Animal products	4,496	53,111	46,453,188	179,429,948	87,629,444	271,068,210
Textiles and textile products	1,740	95,707	72,813,424	143,184,861	131,065,992	279,475,267
Wood and paper products	7,891	105,080	102,218,652	134,663,641	184,233,540	341,336,701
Iron and its products	1,334	73,348	72,296,179	98,793,191	109,198,169	216,828,992
Non-ferrous metal products	478	25,273	28,099,026	71,990,608	88,427,984	164,765,604
Non-metallic mineral products	770	16,975	19,282,401	69,077,701	52,817,078	131,325,706
Chemicals and allied products	696	15,397	18,738,629	34,271,854	55,394,284	92,820,761
Miscellaneous industries	459	8,351	7,810,976	9,497,751	14,083,738	24,138,927
Totals, 1933	23,780	468,658	436,247,824	967,788,928	919,671,181	1,934,075,785

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-1954 - Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	No.	\$	\$	\$	\$
1939						
Vegetable products	5,872	99,447	104,248,785	356,726,153	292,129,840	659,624,014
Animal products	4,362	69,358	68,231,871	333,647,306	122,821,410	461,983,262
Textiles and textile products	1,930	121,022	107,117,035	203,618,197	181,927,898	392,657,759
Wood and paper products	8,538	144,782	165,287,455	246,292,820	303,662,441	579,892,183
Iron and its products	1,394	121,041	158,559,728	262,292,781	275,774,796	553,468,880
Non-ferrous metal products	526	44,563	59,684,858	242,063,177	155,808,806	416,060,459
Non-metallic mineral products	809	22,026	30,067,934	107,979,292	85,511,631	208,166,781
Chemicals and allied products	808	22,595	31,567,558	65,230,839	89,046,832	159,536,984
Miscellaneous industries	566	12,280	13,045,929	18,309,810	24,368,247	43,393,206
Totals, 1939	24,805	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1944						
Vegetable products	5,941	130,679	183,943,948	763,606,750	485,551,491	1,270,518,297
Animal Products	4,388	94,195	129,215,389	835,586,247	246,064,720	1,092,015,647
Textiles and textile products	2,481	153,122	195,805,681	419,988,642	351,186,488	781,771,688
Wood and paper products	10,452	189,674	284,436,559	497,656,158	550,826,986	1,093,725,822
Iron and its products	2,192	411,944	818,452,454	1,104,083,922	1,390,703,087	2,540,992,974
Non-ferrous metal products	635	104,314	182,909,292	549,317,062	399,498,519	992,345,975
Non-metallic mineral products	748	31,590	56,130,338	234,714,319	152,525,053	416,268,979
Chemical and allied products	981	81,822	137,422,977	360,412,749	355,260,598	733,569,232
Miscellaneous industries	665	25,542	41,304,732	66,967,507	84,159,068	162,484,005
Totals, 1944	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1949						
Vegetable products	5,903	143,032	285,536,723	1,236,409,496	754,329,727	2,020,565,833
Animal products	4,231	102,657	197,189,519	1,158,872,220	369,545,771	1,543,930,584
Textiles and textile products	3,234	186,328	342,930,642	669,108,586	606,402,697	1,290,314,474
Wood and paper products	15,866	262,835	579,896,808	1,061,229,176	1,184,539,519	2,325,304,849
Iron and its products	2,658	265,474	678,924,105	1,197,956,715	1,219,303,992	2,468,376,349
Non-ferrous metal products	897	100,614	251,869,627	749,678,627	558,467,028	1,353,329,383
Non-metallic mineral products	1,097	42,691	104,377,854	469,437,193	261,691,705	780,188,518
Chemicals and allied products	1,022	40,499	98,568,559	238,377,149	279,038,860	536,156,674
Miscellaneous industries	884	27,077	52,596,820	62,161,902	97,247,135	161,426,636
Totals, 1949	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1953¹						
Vegetable products	5,789	146,910	391,317,318	1,446,811,354	1,069,519,644	2,553,043,649
Animal Products	3,807	102,853	254,390,114	1,304,984,268	464,425,298	1,788,686,145
Textiles and textile products	3,425	186,102	419,993,255	766,921,715	684,807,398	1,468,759,548
Wood and paper products	17,431	297,636	647,018,758	1,548,520,873	1,718,151,079	3,369,498,811
Iron and its products	3,062	341,933	1,193,220,034	2,011,011,083	2,092,975,109	4,173,007,606
Non-ferrous metal products	973	128,914	429,356,834	1,109,872,109	915,669,987	2,090,201,248
Non-metallic mineral products	1,194	51,464	173,840,508	710,429,489	451,368,806	1,231,998,532
Chemicals and allied products	1,092	49,532	162,244,979	359,694,270	441,917,417	830,660,405
Miscellaneous industries	1,334	32,105	85,636,548	102,313,521	154,204,613	259,580,910
Totals, 1953	38,107	1,327,451	3,957,018,348	9,380,558,682	7,993,069,351	17,785,416,854
1954¹						
Vegetable products	5,825	145,842	400,492,625	1,459,144,653	1,067,282,575	2,563,927,081
Animal products	3,689	100,352	259,157,349	1,310,727,221	480,458,187	1,813,185,823
Textiles and textile products	3,407	169,465	391,920,356	723,169,806	632,435,702	1,378,303,384
Wood and paper products	17,198	287,317	881,030,481	1,561,744,936	1,763,010,994	3,430,311,344
Iron and its products	3,166	304,728	1,078,530,027	1,808,728,716	1,777,079,766	3,651,360,402
Non-ferrous metal products	1,030	125,569	440,700,922	1,114,549,500	949,893,993	2,127,716,961
Non-metallic mineral products	1,264	52,788	184,530,804	770,531,901	615,324,067	1,456,119,348
Chemicals and allied products	1,104	50,935	174,849,466	391,963,368	467,919,639	882,604,171
Miscellaneous industries	1,345	30,970	85,475,661	101,297,455	148,719,214	250,998,990
Totals, 1954	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504

1. In 1952 the basis of collection was changed from "value of products made" to "value of factory shipments". See text on pages 8 and 23.

Subsection 3. Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials that cannot be grown in Canada, such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to non-ferrous metals so largely produced in Canada, the manufactures of iron and steel, or petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced indus-

trial organization is usually indicated by a relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed, employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1954 the average salary and wage was \$3,524 for the mineral group and \$2,623 for the farm origin group.

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-54

Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Gross value of products
	No.	\$	No.	\$	\$	\$
1924						
Farm origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Mineral origin	2,806	1,010,517,944	136,837	171,068,497	349,800,585	700,002,097
Forest origin	6,873	876,149,932	126,907	147,719,245	245,183,429	544,282,597
Marine origin	836	20,304,785	11,157	3,344,348	16,089,332	26,637,962
Wild life origin	226	10,837,249	2,944	3,194,213	7,506,169	13,386,266
Mixed origin	1,305	204,716,127	57,277	55,927,609	101,563,384	200,718,177
Grand totals, 1924	20,709	2,895,317,508	487,610	534,467,675	1,436,190,791¹	2,584,306,764¹
Farm origin group:						
From field crop	4,595	525,717,571	89,436	87,789,237	433,443,376	691,513,259
From animal husbandry	4,068	247,073,900	63,052	65,424,526	282,604,516	407,766,406
Totals, farm origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Canadian origin	8,379	546,231,949	114,514	119,217,657	553,357,883	848,236,237
Foreign origin	284	226,559,522	37,974	33,996,106	162,690,009	251,043,428
1929						
Farm origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Mineral origin	3,219	1,550,662,908	218,879	304,027,803	678,683,203	1,392,499,868
Forest origin	7,353	1,148,558,242	163,863	191,044,307	313,088,964	722,269,066
Marine origin	730	28,644,442	16,367	5,411,855	21,496,859	34,966,260
Wild life origin	234	14,338,686	3,767	4,783,323	12,847,817	20,861,039
Mixed origin	1,639	293,302,865	81,973	83,717,174	150,947,887	316,080,314
Grand totals, 1929	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	3,883,446,116
Farm origin group:						
From field crops	5,191	697,206,163	114,236	115,201,292	496,842,580	889,075,246
From animal husbandry	3,850	272,178,703	67,446	73,105,463	355,763,503	507,694,323
Totals, farm origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Canadian origin	8,743	708,461,549	134,680	140,340,993	682,056,026	1,106,006,184
Foreign origin	298	260,923,317	47,002	47,965,762	170,550,057	290,763,385
1933						
Farm origin	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Mineral origin	3,539	1,306,641,651	130,565	138,101,092	271,434,337	601,428,003
Forest origin	7,796	882,445,602	102,807	99,046,012	133,550,374	335,886,257
Marine origin	620	15,532,775	4,064	2,287,385	10,960,289	17,380,323
Wild life origin	335	10,507,157	3,498	3,481,885	7,159,079	13,000,927
Mixed origin	1,795	219,550,595	69,122	55,619,701	89,802,145	194,423,805
Grand Totals, 1933	23,780	3,279,259,838	468,658	436,247,824	967,788,928	1,954,075,785
Farm origin group:						
From field crops	5,746	609,044,529	93,433	81,655,182	263,007,043	494,048,930
From animal husbandry	3,949	235,537,529	65,169	56,056,567	191,875,661	297,907,540
Totals, farm origin	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Canadian origin	9,373	629,450,643	124,547	107,807,386	365,559,776	620,197,449
Foreign origin	322	215,131,415	34,065	29,904,363	89,322,928	171,759,021
1939						
Farm origin	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Mineral origin	3,474	1,498,265,618	210,752	280,054,303	669,728,573	1,321,444,094
Forest origin	8,430	951,016,933	142,091	160,798,500	244,944,997	572,335,960
Marine origin	523	21,479,200	5,369	3,638,794	18,114,698	28,816,536
Wild life origin	384	14,723,743	4,604	5,396,623	11,592,066	19,961,526
Mixed origin	1,791	208,609,063	75,088	70,197,968	113,528,916	242,232,391
Grand totals, 1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	3,474,783,528
Farm origin group:						
From field crops	6,096	649,746,486	124,708	126,311,033	410,994,461	759,964,866
From animal husbandry	4,107	303,183,406	95,502	91,413,932	367,255,664	530,028,155
Totals, farm origin	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Canadian origin	9,382	699,345,423	171,460	168,260,771	630,779,223	1,011,294,132
Foreign origin	821	253,584,469	48,750	49,464,194	147,470,902	278,698,889

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-54 - Concluded

Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	No.	\$	\$	\$	\$
1944						
Farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Mineral origin	4,479	634,542	1,208,779,764	2,258,796,792	2,312,260,844	4,708,104,244
Forest origin	10,347	186,680	278,171,969	495,531,476	541,521,976	1,082,160,284
Marine origin	535	9,664	10,327,595	45,906,542	22,066,801	68,882,879
Wild life origin	535	6,190	9,430,191	28,076,872	15,728,926	43,985,177
Mixed origin	2,258	98,050	128,195,442	223,007,600	253,202,359	481,828,520
Grand totals, 1944	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
Farm origin group:						
From field crops	6,307	164,514	226,751,705	888,435,918	563,349,320	1,477,008,962
From animal husbandry	4,022	123,242	167,964,604	892,578,456	307,645,784	1,211,722,453
Totals, farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Canadian origin	9,493	225,077	303,293,749	1,507,501,822	668,958,344	2,202,655,904
Foreign origin	836	62,679	91,422,560	273,512,552	202,036,760	486,075,511
1949						
Farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Mineral origin	5,936	453,960	1,147,317,944	2,652,631,878	2,315,722,610	5,133,084,333
Forest origin	15,467	255,671	562,316,999	1,051,100,174	1,158,202,397	2,288,386,108
Marine origin	599	11,856	16,969,825	69,090,041	41,140,022	111,961,148
Wild life origin	663	8,370	18,008,212	38,475,825	28,844,758	67,646,428
Mixed origin	3,104	128,777	238,980,627	367,830,957	458,665,655	835,769,392
Grand totals, 1949	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
Farm origin group:						
From field crops	6,165	175,715	348,944,897	1,414,938,794	863,950,508	2,313,027,879
From animal husbandry	3,858	136,858	259,352,153	1,249,163,395	464,040,484	1,729,718,012
Totals, farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Canadian origin	9,204	247,762	473,274,682	2,289,435,804	1,041,245,310	3,369,356,461
Foreign origin	819	64,811	135,022,368	374,666,385	286,745,682	673,389,430
1953²						
Farm origin	9,601	314,606	797,589,340	3,043,720,116	1,758,981,140	4,864,375,757
Mineral origin	6,618	577,696	1,982,152,272	4,187,562,344	3,905,507,838	8,326,705,749
Forest origin	17,045	281,080	824,747,195	1,536,226,536	1,663,667,683	3,322,194,229
Marine origin	607	13,623	23,169,629	85,773,130	49,435,356	137,635,369
Wild Life Origin	616	7,159	19,037,321	40,665,523	28,927,108	69,911,730
Mixed origin	3,620	133,287	310,322,591	486,611,033	566,550,226	1,064,594,020
Grand totals, 1953	38,107	1,327,451	3,957,018,348	9,380,558,682	7,993,069,351	17,785,416,854
Farm origin group:						
From field crops	6,065	177,844	465,204,850	1,634,851,980	1,180,872,178	2,857,265,898
From animal husbandry	3,516	136,762	332,384,490	1,408,868,136	578,108,962	2,007,109,859
Totals, Farm Origin	9,601	314,606	797,589,340	3,043,720,116	1,758,981,140	4,864,375,757
Canadian origin	8,695	249,846	621,263,527	2,626,261,151	1,368,737,022	4,042,905,188
Foreign origin	906	64,760	176,325,813	417,458,965	390,244,118	821,470,569
1954²						
Farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Mineral origin	6,854	539,830	1,902,255,686	4,083,393,939	3,808,242,171	8,113,391,979
Forest origin	16,823	280,573	857,047,039	1,547,843,710	1,727,150,805	3,380,340,406
Marine origin	586	14,202	26,001,277	95,632,683	55,219,381	153,456,535
Wild life origin	598	6,431	17,348,494	37,022,130	26,595,921	64,099,781
Mixed origin	3,625	125,269	302,644,357	467,107,596	549,795,481	1,030,770,994
Grand totals, 1954	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
Farm origin group:						
From field crops	6,135	173,171	468,666,325	1,631,251,171	1,170,756,138	2,845,128,473
From animal husbandry	3,407	128,490	322,724,513	1,379,606,325	564,384,240	1,967,339,336
Totals, farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Canadian origin	8,612	242,239	624,181,936	2,617,517,447	1,377,694,249	4,041,115,667
Foreign origin	930	59,422	167,208,902	393,340,049	357,426,129	771,352,142

1. For the year 1924 the figures for "Cost of Materials" and "Gross Value of Products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.

2. In 1952 the basis of collection was changed from "Value of Products Made" to "Value of Factory Shipments". See text on page 8 and 23.

Subsection 4. Manufactures Classified by Type of Ownership

This subsection deals with the type of ownership under which Canadian manufacturers operate. The first survey in 1946 did not include the fish-curing and packing industry, information for which was not available at that time. For this reason the figures for 1946 are not strictly comparable with those for succeeding years, although the inclusion of that industry has not materially altered the percentage distribution of individual ownership, incorporated companies, etc.

Of the 38,028 establishments operating in 1954, 1,383 establishments in the periodical publishing industry were unclassifiable, leaving 36,645 establishments in the four cate-

gories of ownership. Individual ownership numbered 15,992 establishments, partnerships 5,236, incorporated companies 14,471 and co-operatives 946. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1954. It is interesting to note that incorporated companies are becoming increasingly important, the percentage of the total number of establishments having risen from 33.4 in 1946 to 39.5 in 1954, while the other three categories declined in importance. This trend to incorporation is no doubt accentuated by the favourable income tax rate allowed companies on the first \$20,000 of income.

Year	Individual ownership	Partnerships	Incorporated companies	Co-operatives
1946 (estimated)	47.3	16.0	33.4	3.3
1947	46.4	16.1	34.3	3.2
1948	46.2	16.4	34.4	3.0
1949	46.0	15.8	35.3	2.9
1950	45.6	15.0	36.3	3.1
1951	44.6	15.5	36.9	3.0
1952	44.9	15.4	36.9	2.8
1953	44.4	14.8	38.2	2.6
1954	43.6	14.3	39.5	2.6

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on under individual ownership. In that category industries conducted

on a small scale contain a large number of establishments, the percentage decreasing as the scale of operations increases, as the following statement shows.

No.	Group	Average number of employees per establishment	Percentage of individual ownership establishments to total
1	Wood products	10.6	61.5
2	Printing, publishing and allied trades	16.2	44.1
3	Foods and beverages	21.9	47.1
4	Miscellaneous manufacturing industries	22.8	33.9
5	Non-metallic mineral products	30.4	32.7
6	Clothing (textile and fur)	32.8	27.4
7	Leather products	45.7	27.8
8	Chemicals and allied products	46.2	16.8
9	Iron and steel products	62.0	24.7
10	Textile products (except clothing)	66.2	29.6
11	Knitting mills	72.8	14.1
12	Non-ferrous metal products	88.1	25.0
13	Paper products	153.6	8.2
14	Electrical apparatus and supplies	164.3	8.8
15	Products of petroleum and coal	168.8	1.7
16	Tobacco and tobacco products	178.7	35.8
17	Transportation equipment	221.6	28.9
18	Rubber products	286.2	9.6
	All Groups	33.3	43.6

It is therefore found, according to the above, that in the wood products group 62 p.c. of the establishments were under individual ownership. The foods and beverage group had 47 p.c. of its establishments in this classification, followed by printing, publishing and allied trades with 44 p.c., tobacco and tobacco products 36 p.c., miscellaneous industries 34 p.c., non-metallic mineral products 33 p.c., textiles 30 p.c., transportation equipment 29 p.c., leather products 28 p.c., clothing 27 p.c., non-ferrous metal and iron and steel products 25 p.c. etc. The petroleum and coal products group with only 1.7 p.c. of the total had the smallest number of establishments operating under individual ownership.

The establishments operating under individual ownership are not as important, from the point of view of employment provided, as their large numbers would indicate. According to tables 15 and 16, these establishments which comprise 44 p.c. of the total have only 5 p.c. of the total employees. Partnerships accounted for 14 p.c. of the number of establishments

and 3 p.c. of the total employees. Incorporated companies with 39 p.c. of the number of establishments had 91 p.c. of the employees. Co-operatives with 3 p.c. of the establishments had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are, by a wide margin, the most important factor in the employment field. In the petroleum and coal products group practically 100 p.c. of the employees were reported by such companies, while the electrical apparatus and supplies, rubber, paper, and transportation equipment groups had 99 p.c. Companies in the chemical and the non-ferrous metal products groups had 98 p.c., tobacco and iron and steel products 96 p.c., textiles 95 p.c., knitting mills 93 p.c., non-metallic mineral products 92 p.c., leather products and miscellaneous industries 89 p.c., printing, publishing and allied trades 86 p.c., foods and beverages and clothing 82 p.c. Companies in the wood products group with 72 reported the lowest percentage of the total employment.

TABLE 15. Percentage Distribution of Establishments in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1954¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
	p.c.	p.c.	p.c.	p.c.	p.c.
Province					
Newfoundland	50.7	31.8	17.4	0.1	100.0
Prince Edward Island	47.1	19.4	27.2	6.3	100.0
Nova Scotia	53.9	14.9	29.4	1.8	100.0
New Brunswick	53.8	12.3	31.2	2.7	100.0
Quebec	48.3	10.3	37.0	3.9	100.0
Ontario	37.5	14.3	46.4	1.8	100.0
Manitoba	39.7	15.3	43.4	1.6	100.0
Saskatchewan	54.7	17.5	23.1	4.7	100.0
Alberta	49.3	16.2	31.4	3.1	100.0
British Columbia	37.8	18.8	42.1	1.3	100.0
Yukon and Northwest Territories	45.2	19.4	35.4	—	100.0
Canada	43.6	14.3	39.5	2.6	100.0
Industrial groups					
Foods and beverages	47.1	10.6	31.3	11.0	100.0
Tobacco and tobacco products	35.8	3.8	54.7	5.7	100.0
Rubber products	9.6	4.1	86.3	—	100.0
Leather products	27.8	12.0	60.2	—	100.0
Textiles	29.6	10.8	59.2	0.4	100.0
Knitting mills	14.1	12.5	73.4	—	100.0
Clothing	27.4	18.8	53.8	—	100.0
Wood products	61.5	18.7	19.6	0.2	100.0
Paper products	8.2	3.3	88.5	—	100.0
Printing, publishing and allied industries ¹	44.1	15.3	40.1	0.5	100.0
Iron and steel products	24.7	12.7	62.5	0.1	100.0
Transportation equipment	28.9	10.0	61.1	—	100.0
Non-ferrous metal products	25.0	12.0	63.0	—	100.0
Electrical apparatus and supplies	8.8	4.8	86.4	—	100.0
Non-metallic mineral products	32.7	14.4	52.9	—	100.0
Products of petroleum and coal	1.7	0.9	95.7	1.7	100.0
Chemicals and allied products	12.8	5.4	77.5	0.3	100.0
Miscellaneous manufacturing industries	33.9	12.3	53.6	0.2	100.0

1. Four main categories of ownership only; the non-classifiable group is not included.

TABLE 16. Percentage Distribution of Employment in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1954¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
	p.c.	p.c.	p.c.	p.c.	p.c.
Province					
Newfoundland	7.8	6.5	85.7	—	100.0
Prince Edward Island	18.9	11.3	64.6	5.2	100.0
Nova Scotia	9.9	3.7	85.5	0.9	100.0
New Brunswick	9.4	3.6	85.3	1.7	100.0
Quebec	6.7	3.3	89.2	0.8	100.0
Ontario	3.6	2.6	93.5	0.3	100.0
Manitoba	5.6	3.8	89.7	0.9	100.0
Saskatchewan	12.1	6.3	70.6	11.0	100.0
Alberta	9.9	6.6	81.2	2.3	100.0
British Columbia	5.7	4.6	87.7	2.0	100.0
Yukon and Northwest Territories	21.4	12.7	65.9	—	100.0
Canada	5.4	3.3	90.5	0.8	100.0
Industrial group					
Foods and beverages	9.7	3.7	82.0	4.6	100.0
Tobacco and tobacco products	1.3	—	96.1	2.6	100.0
Rubber products	0.2	0.5	99.3	—	100.0
Leather products	5.9	5.0	89.1	—	100.0
Textiles	2.9	1.9	95.1	0.1	100.0
Knitting mills	1.6	5.0	93.4	—	100.0
Clothing	8.7	9.3	82.0	—	100.0
Wood products	18.5	9.2	72.0	0.3	100.0
Paper products	0.4	0.3	99.3	—	100.0
Printing, publishing and allied industries ¹	8.1	4.5	86.2	1.2	100.0
Iron and steel products	2.2	0.3	97.5	0.2	100.0
Transportation equipment	0.5	1.0	97.5	—	100.0
Non-ferrous metal products	1.5	0.3	99.5	—	100.0
Electrical apparatus and supplies	0.2	—	—	—	100.0
Non-metallic mineral products	5.1	3.4	91.5	—	100.0
Products of petroleum and coal	—	—	100.0	—	100.0
Chemicals and allied products	1.1	0.9	97.7	0.3	100.0
Miscellaneous manufacturing industries	7.1	4.0	88.7	0.2	100.0

1. Four main categories of ownership only; the non-classifiable group is not included.

Symbols — nil.

— amount too small to be expressed.

TABLE 17. Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership, 1954

No.	Industry	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
		p.c.	p.c.	p.c.	p.c.	p.c.
1	Pulp and paper	—	—	100.0	—	100.0
2	Non-ferrous metal smelting and refining	—	—	100.0	—	100.0
3	Petroleum products	—	—	100.0	—	100.0
4	Slaughtering and meatpacking	1.0	1.7	95.5	1.8	100.0
5	Motor vehicles	—	—	100.0	—	100.0
6	Sawmills	27.5	12.6	59.5	0.4	100.0
7	Butter and cheese	10.3	3.7	63.4	22.6	100.0
8	Primary iron and steel	—	—	100.0	—	100.0
9	Aircraft and parts	0.1	—	99.9	—	100.0
10	Miscellaneous food preparations	5.1	1.4	93.5	—	100.0
11	Railway rolling stock	—	—	100.0	—	100.0
12	Bread and other bakery products	26.1	7.5	66.0	0.4	100.0
13	Miscellaneous electrical apparatus and supplies	0.2	0.5	99.3	—	100.0
14	Rubber goods (including footwear)	0.2	0.5	99.3	—	100.0
15	Printing and publishing	4.6	2.1	92.1	1.2	100.0
16	Clothing, men's factory	3.8	7.6	88.6	—	100.0
17	Motor vehicle parts	0.8	0.5	98.7	—	100.0
18	Industrial machinery	1.4	0.7	97.9	—	100.0
19	Furniture	12.0	7.8	80.2	—	100.0
20	Sheet metal products	1.9	1.7	96.4	—	100.0
21	Flour mills	1.9	1.8	96.3	—	100.0
22	Radio and television sets and parts	0.3	0.3	99.4	—	100.0
23	Clothing, women's factory	6.0	6.8	87.2	—	100.0
24	Fruit and vegetable preparations	4.6	2.5	90.2	2.7	100.0
25	Machinery, heavy electrical	—	—	100.0	—	100.0
26	Miscellaneous chemical products	1.4	0.3	98.3	—	100.0
27	Sash, door and planing mills	16.8	8.4	74.6	0.2	100.0
28	Breweries	—	—	100.0	—	100.0
29	Cotton yarn and cloth	0.1	—	99.9	—	100.0
30	Boxes and bags, paper	1.1	1.4	97.5	—	100.0
31	Feeds, stock and poultry, prepared	15.6	6.9	59.0	18.5	100.0
32	Printing and bookbinding	13.6	7.5	77.2	1.7	100.0
33	Brass and copper products	1.7	2.2	96.1	—	100.0
34	Shipbuilding	0.3	0.2	99.5	—	100.0
35	Bridgebuilding and structural steel	—	—	100.0	—	100.0
36	Miscellaneous paper goods	1.6	0.8	97.6	—	100.0
37	Fish processing	8.4	2.9	82.2	6.5	100.0
38	Tobacco, cigars and cigarettes	1.7	—	98.3	—	100.0
39	Acids, alkalies and salts	—	—	100.0	—	100.0
40	Castings, iron	2.2	3.0	94.8	—	100.0

Symbols: — amount too small to be expressed.
— nil or zero

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of ownership, 1954

Provinces	Estab-lish-ments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Individual ownership	15,992	68,281	126,280,223	11,090,227	290,669,649	517,938,698
Partnerships	5,236	40,846	87,047,236	6,016,353	180,574,621	333,764,724
Incorporated companies	14,471	1,143,030	3,647,840,051	403,640,974	8,561,377,551	16,415,900,461
Co-operatives	946	10,393	24,592,610	3,684,674	184,594,046	235,180,347
Not classifiable ^a	1,383	5,416	10,927,571	—	24,641,687	51,743,274
Totals	38,028	1,267,966	3,896,687,691	424,432,228	9,241,857,554	17,554,527,504
Newfoundland:						
Individual ownership	397	772	960,793	104,330	1,527,964	3,153,737
Partnerships	249	643	480,857	40,379	776,653	1,626,412
Incorporated companies	136	8,468	28,636,809	3,911,974	44,119,806	104,621,420
Co-operatives	1	9	22,727	—	78,609	166,201
Not classifiable ^a	7	—	—	—	—	—
Totals	790	9,892	30,101,186	4,056,683	46,503,032	109,567,770
Prince Edward Island:						
Individual ownership	97	336	390,288	55,788	1,854,116	2,771,811
Partnerships	40	200	298,876	41,388	790,831	1,319,891
Incorporated companies	56	1,145	2,229,480	259,439	13,418,144	18,191,912
Co-operatives	13	92	81,517	10,112	928,119	1,174,675
Not classifiable ^a	3	1	50	—	10,341	11,454
Totals	209	1,774	3,000,211	366,727	17,001,551	23,469,743

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1954 — Concluded

Provinces	Estab- lish- ments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Nova Scotia:						
Individual ownership.....	796	2,920	3,896,800	373,273	11,912,614	19,768,826
Partnerships.....	221	1,097	1,465,448	137,418	4,675,052	7,465,390
Incorporated companies.....	435	25,200	65,978,841	10,235,150	142,006,324	269,379,352
Co-operatives.....	26	295	350,502	53,851	2,520,756	3,179,390
Not classifiable ¹	48	99	48,649	—	180,127	279,775
Totals.....	1,526	29,611	71,740,240	10,799,692	161,294,873	300,072,733
New Brunswick:						
Individual ownership.....	557	2,080	2,762,019	318,726	8,140,778	13,891,974
Partnerships.....	127	786	1,133,426	91,596	2,523,657	4,523,227
Incorporated companies.....	323	18,828	50,607,866	11,519,688	140,003,580	260,994,935
Co-operatives.....	29	370	545,907	83,492	6,372,643	7,637,005
Not classifiable ¹	21	43	60,210	—	175,263	303,459
Totals.....	1,057	22,107	55,109,428	12,013,502	157,215,921	287,350,600
Quebec:						
Individual ownership.....	5,683	28,152	49,705,324	4,122,443	126,109,176	217,022,758
Partnerships.....	1,269	14,014	28,661,793	1,610,219	57,030,403	107,381,487
Incorporated companies.....	4,359	376,059	1,124,163,132	143,731,283	2,541,814,762	4,962,414,352
Co-operatives.....	458	3,218	5,974,804	1,022,241	69,808,944	81,811,624
Not classifiable ¹	422	2,652	6,156,347	—	11,485,078	27,156,423
Totals.....	12,191	424,095	1,214,661,400	150,486,186	2,806,248,363	5,395,786,644
Ontario:						
Individual ownership.....	4,742	21,658	45,103,907	3,906,697	100,160,944	177,113,304
Partnerships.....	1,805	15,254	35,798,392	2,187,429	70,546,894	129,878,996
Incorporated companies.....	5,872	558,067	1,865,286,575	179,897,499	4,199,057,735	8,165,509,086
Co-operatives.....	233	2,107	5,122,373	775,595	33,348,806	42,974,263
Not classifiable ¹	526	1,828	3,456,141	—	9,422,569	17,691,565
Totals.....	13,178	598,914	1,954,767,388	186,767,220	4,412,536,948	8,533,167,214
Manitoba:						
Individual ownership.....	566	2,316	4,552,554	395,474	9,509,126	17,401,111
Partnerships.....	218	1,551	3,315,185	229,416	6,578,962	12,145,416
Incorporated companies.....	617	36,795	107,405,871	9,573,228	305,399,566	531,723,853
Co-operatives.....	23	361	922,914	164,840	6,545,630	8,856,776
Not classifiable ¹	98	201	258,362	—	794,325	1,281,616
Totals.....	1,522	41,224	116,454,886	10,362,958	328,827,609	571,408,772
Saskatchewan:						
Individual ownership.....	531	1,380	2,264,807	249,415	3,225,175	7,467,159
Partnerships.....	170	721	1,358,252	141,555	2,572,250	5,256,824
Incorporated companies.....	224	8,093	25,920,421	6,077,160	139,112,723	234,767,493
Co-operatives.....	46	1,264	3,869,237	651,950	24,073,590	32,744,348
Not classifiable ¹	39	68	97,116	—	342,263	497,960
Totals.....	1,010	11,526	33,509,833	7,120,080	169,326,001	280,733,784
Alberta:						
Individual ownership.....	975	3,231	5,793,097	572,791	11,277,449	23,059,946
Partnerships.....	321	2,151	5,328,865	712,054	19,700,016	31,354,161
Incorporated companies.....	620	26,517	83,672,788	9,523,096	299,194,941	499,725,064
Co-operatives.....	61	760	1,947,213	214,142	15,789,423	20,182,337
Not classifiable ¹	75	106	167,926	—	563,160	956,194
Totals.....	2,052	32,765	96,909,889	11,022,083	346,524,989	575,277,702
British Columbia:						
Individual ownership ²	1,634	5,395	10,738,651	979,139	16,836,815	35,979,070
Partnerships.....	810	4,403	9,162,780	820,679	15,312,379	32,670,693
Incorporated companies.....	1,818	83,734	293,463,297	28,737,825	735,940,088	1,365,487,923
Co-operatives.....	56	1,926	5,778,143	708,451	25,206,135	36,619,929
Not classifiable ¹	144	409	660,043	—	1,589,952	3,398,627
Totals.....	4,462	95,867	319,802,914	31,246,094	794,885,369	1,474,156,242
Yukon and Northwest Territories:						
Individual ownership ²	14	41	111,983	12,151	115,492	309,002
Partnerships.....	6	24	43,362	4,220	67,524	142,227
Incorporated companies.....	11	126	474,971	174,632	1,309,882	3,085,071
Totals.....	31	191	630,316	191,003	1,492,898	3,536,300

1. Consists of the industry "Publishing (only) of Periodicals".
 2. Includes Publishing (only) of Periodicals, 1 establishment.

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by Type of Ownership, 1954

Industrial groups	Estab- lish- ments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1. Foods and beverages:						
Individual ownership.....	3,813	17,231	30,327,867	5,375,717	136,998,047	195,124,733
Partnerships.....	856	6,510	13,419,607	2,012,062	66,189,979	92,342,517
Incorporated companies.....	2,536	145,877	414,650,294	40,722,368	1,963,898,191	3,068,353,552
Co-operatives.....	886	8,265	18,660,960	3,083,044	167,080,409	206,725,942
Totals.....	8,090	177,883	477,058,728	51,193,191	2,334,166,626	3,562,546,744
2. Tobacco and tobacco products:						
Individual ownership.....	19	126	210,090	8,190	274,304	586,856
Partnerships.....	2					
Incorporated companies.....	29	9,100	27,305,813	664,235	142,883,576	222,456,131
Co-operatives.....	3	243	353,036	16,311	1,802,889	2,297,989
Totals.....	53	9,469	27,868,939	688,736	144,960,769	225,340,976
3. Rubber products:						
Individual ownership.....	7	38	81,150	8,174	52,095	184,596
Partnerships.....	3	98	208,811	12,631	90,395	409,083
Incorporated companies.....	63	20,758	67,186,444	3,978,993	106,359,368	263,591,108
Totals.....	73	20,894	67,476,405	3,999,798	106,501,858	264,184,787
4. Leather products:						
Individual ownership.....	187	1,820	3,391,468	90,349	5,195,830	10,511,919
Partnerships.....	81	1,541	2,999,446	76,767	4,248,111	8,685,275
Incorporated companies.....	405	27,387	60,770,843	1,898,631	91,806,912	187,315,618
Totals.....	673	30,748	67,161,757	2,065,747	101,250,853	206,512,812
5. Textile mills:						
Individual ownership.....	295	1,865	3,605,298	193,383	6,474,056	13,323,667
Partnerships.....	107	1,231	2,559,074	103,090	3,913,700	8,076,949
Incorporated companies.....	569	61,423	163,933,840	11,946,530	339,265,787	618,856,994
Co-operatives.....	4	62	97,928	2,982	460,151	612,437
Totals.....	975	64,581	170,196,140	12,245,985	350,113,694	640,870,047
6a. Knitting mills:						
Individual ownership.....	42	354	601,303	25,143	1,108,833	2,334,531
Partnerships.....	37	1,070	2,029,941	58,879	3,891,058	7,704,419
Incorporated companies.....	218	20,198	44,946,591	1,764,804	65,118,934	140,779,623
Totals.....	297	21,622	47,577,835	1,848,826	70,118,825	150,818,573
6b. Clothing:						
Individual ownership.....	749	7,778	14,519,184	321,786	26,018,947	49,699,384
Partnerships.....	513	8,374	18,215,665	333,443	31,293,139	61,085,188
Incorporated companies.....	1,471	73,541	158,760,026	2,226,281	282,647,331	539,929,973
Totals.....	2,733	89,693	191,494,875	2,881,510	339,959,417	650,714,545
7. Wood products:						
Individual ownership.....	7,483	23,802	38,131,910	3,062,961	81,456,680	155,577,690
Partnerships.....	2,274	11,821	20,907,656	1,572,192	38,891,853	77,596,745
Incorporated companies.....	2,381	92,919	263,141,260	11,799,590	501,607,477	969,425,073
Co-operatives.....	27	389	941,388	73,075	1,800,743	3,360,397
Totals.....	12,165	128,931	323,122,214	16,507,818	623,756,753	1,205,969,905
8. Paper products:						
Individual ownership.....	49	325	678,810	25,009	1,058,121	2,158,679
Partnerships.....	20	267	632,771	25,755	1,083,096	2,014,608
Incorporated companies.....	500	86,778	330,244,445	88,229,876	739,891,092	1,625,989,314
Totals.....	569	87,370	331,556,026	88,280,640	742,032,309	1,630,162,601
9. Printing, publishing and allied industries:						
Individual ownership.....	1,255	5,095	12,096,183	469,099	8,110,120	27,083,955
Partnerships.....	434	2,853	7,658,157	244,813	5,406,490	17,182,788
Incorporated companies.....	1,139	54,487	187,284,800	3,845,641	149,155,650	476,169,070
Co-operatives.....	15	783	2,309,278	53,541	1,410,183	5,173,004
Not classifiable.....	1,384	5,416	10,927,571	—	24,643,187	51,746,474
Totals.....	4,227	68,614	220,275,989	4,613,094	188,725,630	577,355,291
10. Iron and steel products:						
Individual ownership.....	691	3,811	9,329,063	547,350	8,233,910	23,078,618
Partnerships.....	356	3,029	8,427,175	428,820	9,206,051	23,034,225
Incorporated companies.....	1,750	166,692	587,217,134	44,726,394	811,005,553	1,905,885,213
Co-operatives.....	4	166	553,157	32,476	792,165	2,232,908
Totals.....	2,801	173,698	605,526,529	45,735,040	829,237,679	1,954,230,964
11. Transportation equipment:						
Individual ownership.....	174	619	1,259,404	65,778	1,211,061	3,076,405
Partnerships.....	60	403	1,001,741	48,726	1,177,904	2,652,101
Incorporated companies.....	368	132,410	476,818,605	17,340,978	984,332,316	1,708,234,479
Totals.....	602	133,432	478,079,750	17,455,482	986,721,281	1,713,962,985

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by Type of Ownership, 1954 — Concluded

Industrial groups	Estab- lish- ments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
12. Non-ferrous metal products:						
Individual ownership.....	143	754	1,722,303	78,237	2,134,402	4,957,949
Partnerships.....	69	489	1,213,389	63,371	2,029,205	4,069,571
Incorporated companies.....	361	49,251	179,255,629	60,149,661	713,802,466	1,254,747,297
Totals.....	573	50,494	182,191,321	60,291,269	717,966,073	1,263,774,817
13. Electrical apparatus and supplies:						
Individual ownership.....	40	166	346,065	15,639	511,750	1,084,566
Partnerships.....	22	218	573,392	21,913	1,316,873	2,257,501
Incorporated companies.....	395	74,691	257,590,144	7,386,174	394,754,804	860,600,077
Totals.....	457	75,075	258,509,601	7,423,726	396,583,427	863,942,144
14. Non-metallic mineral products:						
Individual ownership.....	394	1,785	3,785,138	465,432	4,092,096	10,856,292
Partnerships.....	173	1,199	2,741,843	460,353	2,814,623	8,321,397
Incorporated companies.....	592	32,245	108,322,098	35,312,555	138,213,797	416,030,311
Co-operatives.....	1					
Totals.....	1,160	35,229	114,849,079	36,238,340	145,120,516	435,208,000
15. Products of petroleum and coal:						
Individual ownership.....	2	8	19,986	2,090	49,172	101,086
Partnerships.....	1					
Incorporated companies.....	99	17,551	69,661,739	37,393,132	625,362,213	1,020,810,262
Co-operatives.....	2					
Totals.....	104	17,559	69,681,725	37,395,222	625,411,385	1,020,911,348
16. Chemicals and allied products:						
Individual ownership.....	187	553	1,177,116	89,305	1,936,448	4,306,752
Partnerships.....	60	452	1,592,280	442,344	5,371,827	10,262,293
Incorporated companies.....	866	50,422	173,915,628	31,619,424	427,206,282	917,866,140
Co-operatives.....	3	176	626,936	62,174	2,536,534	3,289,695
Totals.....	1,116	51,603	177,311,960	32,213,247	437,051,091	935,724,880
17. Miscellaneous manufacturing industries:						
Individual ownership.....	461	2,195	5,099,147	248,094	5,868,899	14,163,356
Partnerships.....	167	1,231	2,711,561	109,277	3,511,309	7,689,528
Incorporated companies.....	729	27,582	77,818,510	2,995,406	92,723,377	230,193,966
Co-operatives.....	3	63	119,600	1,780	75,783	259,235
Totals.....	1,360	31,071	85,748,818	3,354,557	102,179,368	252,306,085

1. Consists of the industry "Publishing (only) of Periodicals".

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1954, from the standpoint of gross value of pro-

duction, is compared with their respective ranks in significant years since 1922.

Industry	Rank in						
	1954	1949	1944	1939	1933	1929	1922
Pulp and paper	1	1	5	2	1	1	2
Non-ferrous metal smelting and refining	2	3	2	1	2	9	1
Petroleum products.....	3	5	14	6	6	10	9
Slaughtering and meat packing	4	2	1	3	3	2	3
Motor vehicles.....	5	4	7	5	11	4	6
Sawmills.....	6	6	11	8	14	5	4
Butter and cheese.....	7	7	10	4	5	6	5
Primary iron and steel	8	8	13	11	31	16	20
Aircraft and parts	9	1	4	1	1	1	1
Miscellaneous food preparations	10	20	26	1	1	1	1

1. Did not rank among the forty leading industries that year.

A prominent feature of Canadian Manufacturing development during the past twenty-five years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base-metal resources of the country, has taken its place among the leading manufactures, along with the industries based upon forest, agricultural and live-stock resources. Another feature of this development in manufacturing production is the rise of the petroleum products industry from fourteenth place in 1944 to third place in 1954. This is the direct result of the recent discoveries and development of the large oil resources of the Prairie Provinces and the rapid industrialization of Canada during the past decade.

The incidence of the depression resulted in a re-arrangement of the ranking of many industries which in some cases has proved to be temporary. During the war, the industries engaged in producing the equipment needed by the armed forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. When the war ended, the industries engaged in the production of consumer goods, by reason of the expanded demand for their products, bettered their position. Pulp and paper, after a lapse of a number of years, resumed its premier position.

The impetus given to Canadian manufacturing production by the Korean war is reflected in the advance of the aircraft

industry to ninth position. This industry which did not rank among the forty leading industries before World War II was in fourth place in 1944 and sixteenth place in 1952. The shipbuilding industry also bettered its position as a result of the current defence program. This industry which also did not rank among the forty leading industries in 1949 advanced to thirty-fourth place in 1952 and 1954.

Some major changes took place in the ranking of the ten leading industries in 1954. Due to the minor recession which occurred, a recession which affected the durable goods industries to a far greater extent than the industries producing non-durable goods, some significant changes were to be expected. As a result of this, the industries classified in the durable goods sector lost ground as compared with the previous year. Motor vehicles dropped from third to fifth place, aircraft and parts from eighth to ninth place, and primary iron and steel from seventh to eighth place. On the other hand, petroleum products advanced from fifth to third place, butter and cheese from ninth to seventh place, and miscellaneous foods from thirteenth to tenth place. Pulp and paper retained its premier position. Three other industries retained their position in both years. These industries were: non-ferrous metal smelting and refining in second place, slaughtering and meat packing in fourth place and sawmills in sixth place.

TABLE 20. Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Selling Value of Factory Shipments, 1954

No.	Industry	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Pulp and paper	125	60,837	252,598,383	515,257,595	641,410,070	1,241,558,451
2	Non-ferrous metal smelting and refining	22	26,048	102,595,970	515,315,655	352,037,956	922,378,998
3	Petroleum products	61	12,476	52,318,208	568,541,677	309,795,241	909,252,514
4	Slaughtering and meatpacking	154	22,999	78,699,090	674,151,921	157,683,565	837,508,480
5	Motor vehicles	20	27,949	106,062,439	477,309,375	176,473,282	666,286,542
6	Sawmills	7,696	57,010	139,571,531	301,118,370	263,629,457	572,186,498
7	Butter and cheese	1,467	20,599	55,021,826	304,836,171	99,403,809	412,205,330
8	Primary iron and steel ²	51	28,861	108,817,430	145,110,350	217,487,185	383,154,196
9	Aircraft and parts	47	35,095	135,863,490	158,893,485	181,381,957	343,010,830
10	Miscellaneous food preparations	333	10,131	28,462,266	213,194,908	90,418,116	306,451,294
11	Railway rolling stock	36	29,214	96,862,444	162,219,587	116,736,335	283,398,567
12	Bread and other bakery products	2,584	33,883	83,804,862	131,119,614	139,859,357	280,207,889
13	Miscellaneous electrical apparatus and supplies ..	157	23,624	82,252,578	123,156,174	145,639,347	267,574,423
14	Rubber goods (including footwear)	73	20,894	67,476,405	106,501,858	149,073,979	284,184,787
15	Printing and publishing	800	29,401	100,474,627	71,646,945	182,853,728	256,699,637
16	Clothing, men's, factory	582	31,886	67,578,714	132,032,166	106,794,010	240,390,285
17	Motor vehicle parts	180	18,363	65,540,443	122,691,526	112,253,910	239,108,407
18	Machinery, industrial	312	22,846	80,489,646	83,932,026	147,169,756	233,670,284
19	Furniture	1,775	29,876	77,605,556	108,912,963	121,987,089	232,704,198
20	Sheet metal products	343	18,049	61,444,775	118,832,538	112,234,492	232,686,878
21	Flour mills	85	4,934	15,436,871	195,322,299	35,031,653	232,363,041
22	Radio and television sets and parts	120	18,020	56,392,238	124,696,952	104,044,924	228,511,630
23	Clothing, women's, factory	808	27,343	61,448,428	115,988,150	102,520,868	218,614,357
24	Fruit and vegetable preparations	453	15,815	34,714,828	131,554,963	82,838,842	215,030,451
25	Machinery, heavy electrical	63	22,220	83,108,479	70,205,741	127,755,011	202,150,926
26	Miscellaneous chemicals, n.e.s.	258	13,483	43,449,377	101,390,267	91,475,977	201,340,257
27	Sash, door and planing mills	1,852	19,386	47,398,127	119,759,450	77,231,041	200,200,315
28	Breweries	62	8,541	33,422,844	47,590,063	147,835,626	198,390,169
29	Cotton yarn and cloth	50	19,865	49,447,295	119,204,720	70,729,737	194,691,131
30	Boxes and bags, paper	204	13,883	40,632,423	116,589,711	77,323,737	194,242,948
31	Feeds, stock and poultry, prepared ..	678	6,107	15,345,800	152,472,708	35,646,991	190,132,599
32	Printing and bookbinding	1,765	24,207	72,212,660	67,106,324	118,661,593	186,897,471
33	Brass and copper products	156	8,530	30,131,125	99,886,257	56,179,619	157,607,751
34	Shipbuilding	76	19,356	65,256,543	56,259,981	98,572,656	156,600,890
35	Bridge building and structural steel ..	43	10,881	42,167,982	67,131,407	87,577,222	156,102,978
36	Miscellaneous paper goods	212	10,001	29,880,119	89,823,366	65,488,700	155,429,948
37	Fish processing	586	14,202	26,001,277	95,632,683	55,219,381	153,456,535
38	Tobacco, cigars and cigarettes	39	7,418	24,000,407	79,009,327	72,327,224	152,033,653
39	Acids, alkalis and salts	43	8,408	33,425,864	49,400,551	79,376,282	142,001,601
40	Castings, iron	202	13,748	47,535,297	61,661,101	76,670,172	139,904,793
Totals, leading industries		24,573	846,389	2,694,946,667	6,995,460,925	5,486,829,904	12,800,827,932
Totals, all industries		38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
Percentage of leading industries to all industries..		64.6	66.8	69.2	75.7	69.4	72.9

1. See footnote 4, Table 3.

2. See footnote 3, Table 3.

SECTION 4. PRINCIPAL FACTORS IN MANUFACTURING PRODUCTION

The subjects treated under this Section include capital, employment, salaries and wages, size of establishments and power and fuel used in manufacturing.

Subsection 1. Capital and Repair Expenditures

Prior to 1944 the following information on capital investment was collected: Fixed Capital—Land, buildings, fixtures, machinery, tools and other equipment. Working Capital—(1) Inventory value of raw materials, stocks in process, fuel and miscellaneous supplies on hand; (2) Inventory value of finished products; (3) Cash, bills and accounts receivable, prepaid expenses, etc. This was replaced by the collection of statistics on the expenditure on fixed capital and repairs.

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000 and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

Capital expenditures by manufacturers in 1954 totalled \$287,600,000 for construction and \$534,500,000 for machinery and equipment, while \$488,500,000 went for repairs. Of the total capital expenditures, amounting to \$822,100,000 in 1954, 14.1 p.c. was reported by foods and beverages, 12.7 p.c. by petroleum and coal products, 12.0 p.c. by iron and steel prod-

ucts, 11.8 p.c. by paper products, 8.8 p.c. by transportation equipment, 7.3 p.c. by non-ferrous metal products, 5.8 p.c. by non-metallic mineral products, 5.4 p.c. by chemicals and allied products, etc.

Of the groups reporting capital expenditures of \$25,000,000 or more in 1954, five reported increases and seven decreases. Of the groups reporting increases, foods and beverages with \$19,300,000 led the list, followed by printing, publishing and allied industries with \$15,000,000, products of petroleum and coal \$12,100,000, non-metallic mineral products \$10,900,000 and textiles \$600,000. The chemicals and allied products group with \$82,500,000 led the list of the groups reporting decreases in capital investment. This was followed by transportation equipment with \$32,200,000, non-ferrous metal products \$25,700,000, iron and steel products \$25,600,000, paper products \$16,800,000, electrical apparatus and supplies \$4,300,000 and wood products \$1,700,000.

Capital expenditures in 1954 declined by \$146,900,000. This compares with a decline of \$3,600,000 in 1953 and increases of \$180,000,000 in 1952 and \$290,100,000 in 1951. The following table gives the capital expenditures of the groups in 1954 reporting \$25,000,000 or more, together with the expenditures of these groups in 1953.

Variation in Capital Expenditures 1954 Compared with 1953

	1954	1953	Variation
	\$'000,000		
Foods and beverages	104.3	85.0	+ 19.3
Textile products	28.5	27.9	+ .6
Wood products	32.9	34.6	- 1.7
Paper products	87.3	104.1	- 16.8
Printing, publishing and allied industries	31.4	16.4	+ 15.0
Iron and steel products	88.4	114.0	- 25.6
Transportation equipment	65.2	87.4	- 32.2
Non-ferrous metal products	53.6	79.3	- 25.7
Electrical apparatus and supplies	31.7	36.0	- 4.3
Non-metallic mineral products	43.2	32.3	+ 10.9
Products of petroleum and coal	93.6	81.5	+ 12.1
Chemicals and allied products	39.8	122.3	- 82.5

Expenditures on capital assets which averaged \$812,000,000 during the past five years reflect the expansion and modernization which the manufacturing industries of Canada have experienced. Although the expansion was at a rapid rate, not all provinces, however, shared in this expansion at an equal rate. Newfoundland had relatively the highest capital expenditures of any province, the percentage of capital expenditures to the

value of factory shipments during the period 1950-54 being 11.1, more than double the Canada average. Alberta with 10.7 was in second place and British Columbia with 7.3 was in third place. Ontario and Saskatchewan equalled the Canada average of 4.9, while Prince Edward Island, Nova Scotia, New Brunswick, Quebec and Manitoba were below this figure.

Comparison of Capital Expenditures with Value of Factory Shipments, 1950-1954

Province	Per cent of total	
	Capital expenditures	Selling value of factory shipments
Newfoundland	1.35	.60
Prince Edward Island .....	.09	.13
Nova Scotia	1.48	1.83
New Brunswick	1.43	1.75
Quebec	23.92	30.32
Ontario	49.42	49.30
Manitoba	2.09	3.35
Saskatchewan	1.54	1.55
Alberta	6.64	3.04
British Columbia	12.04	8.13
Total	100.00	100.00

TABLE 21. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1954, with Totals for 1944-53

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
1944	61.3	150.1	211.4	60.7	173.5	234.2
1945	75.9	204.2	280.1	63.1	170.6	233.7
1946	132.2	205.0	337.2	56.8	164.3	221.1
1947	184.7	343.2	527.9	62.4	210.7	273.1
1948	184.8	394.2	579.0	78.9	253.9	332.8
1949	156.6	379.2	535.8	66.7	267.2	333.9
1950	135.4	367.1	502.5	67.6	279.0	346.6
1951	267.6	525.0	792.6	85.0	337.0	422.0
1952	343.6	629.0	972.6	95.2	363.5	458.7
1953	324.5	644.5	969.0	94.6	385.5	480.1
Provinces, 1954						
Newfoundland	3.5	5.5	9.0	1.9	4.2	6.1
Prince Edward Island	—	0.2	0.2	0.1	0.3	0.4
Nova Scotia	2.9	7.0	9.9	6.1	7.2	13.3
New Brunswick	2.0	6.5	8.5	1.4	8.4	9.8
Quebec	72.4	131.5	203.9	22.9	113.9	136.8
Ontario	124.3	292.0	416.3	46.0	196.9	242.9
Manitoba	15.1	11.9	27.0	3.7	8.2	11.9
Saskatchewan	9.8	3.5	13.3	2.6	2.3	4.9
Alberta	22.3	27.3	49.6	4.2	10.2	14.4
British Columbia	35.3	49.1	84.4	8.7	39.3	48.0
Totals, 1953	287.6	534.5	822.1	97.6	390.9	488.5
Industrial groups, 1954						
Foods and beverages	38.6	65.7	104.3	13.2	41.2	54.4
Tobacco and tobacco products	0.6	2.5	3.1	0.7	1.7	2.4
Rubber products	4.6	11.1	15.7	1.0	5.9	6.9
Leather products	0.5	1.8	2.3	0.6	2.0	2.6
Textile products (except clothing)	7.5	21.0	28.5	2.7	14.3	17.0
Clothing (textile and fur)	2.2	7.6	9.8	1.3	4.0	5.3
Wood products	8.4	24.5	32.9	6.5	24.1	30.6
Paper products	21.6	65.7	87.3	8.2	75.1	83.3
Printing, publishing and allied trades	11.7	19.7	31.4	2.4	4.9	7.3
Iron and steel products	22.0	66.4	88.4	12.6	64.0	76.6
Transportation equipment	20.9	44.3	65.2	10.9	30.0	40.9
Non-ferrous metal products	20.3	33.3	53.6	8.7	40.1	48.8
Electrical apparatus and supplies	11.7	20.0	31.7	3.1	13.6	16.7
Non-metallic mineral products	19.6	23.6	43.2	2.8	23.8	26.6
Products of petroleum and coal	79.6	14.0	93.6	15.7	11.5	27.2
Chemical products	15.1	24.7	39.8	6.2	31.4	37.6
Miscellaneous industries	2.7	4.5	7.2	1.0	3.3	4.3
Capital items charged to operating expense	—	84.1	84.1	—	—	—

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-54

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Newfoundland:						
1948	—	—	—	—	—	—
1949	2.3	6.0	8.3	1.5	3.6	5.1
1950	2.0	5.5	7.5	1.0	3.0	4.0
1951	3.4	6.4	9.8	1.2	4.2	5.4
1952	5.4	9.7	15.1	0.9	8.5	9.4
1953	5.2	8.1	13.3	1.6	4.1	5.7
1954	3.5	5.5	9.0	1.9	4.2	6.1
Prince Edward Island:						
1948	0.1	0.3	0.4	0.1	0.2	0.3
1949	0.1	0.2	0.3	0.1	0.1	0.2
1950	0.4	0.5	0.9	0.1	0.2	0.3
1951	0.2	0.2	0.4	0.1	0.2	0.3
1952	0.4	0.6	1.0	0.2	0.2	0.4
1953	0.2	0.7	0.9	0.1	0.2	0.3
1954	—	0.2	0.2	0.1	0.3	0.4
Nova Scotia:						
1948	5.9	6.5	12.4	5.0	5.8	10.8
1949	3.4	5.5	8.9	2.7	7.5	10.2
1950	1.7	5.9	7.6	4.0	5.1	9.1
1951	1.8	10.6	12.4	5.0	6.4	11.4
1952	6.7	10.2	16.9	7.0	8.1	15.1
1953	4.4	8.9	13.3	7.4	8.4	15.8
1954	2.9	7.0	9.9	6.1	7.2	13.3

1. Not available.

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-54 - Concluded

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
New Brunswick:						
1948	4.4	10.7	15.1	1.2	7.1	8.3
1949	2.6	10.0	12.6	1.2	6.5	7.7
1950	1.2	6.3	7.5	1.1	6.4	7.5
1951	4.2	13.3	17.5	1.7	7.8	9.5
1952	3.1	10.6	13.7	1.1	8.5	9.6
1953	2.1	8.8	10.9	1.7	9.0	10.7
1954	2.0	6.5	8.5	1.4	8.4	9.8
Quebec:						
1948	58.1	127.3	185.4	20.5	76.6	97.1
1949	50.4	113.8	164.2	19.1	80.6	99.7
1950	44.0	108.5	152.5	19.2	81.7	100.9
1951	54.7	143.8	198.5	21.3	96.6	117.9
1952	66.0	164.9	230.9	25.5	103.9	129.4
1953	44.9	140.2	185.1	22.0	111.4	133.4
1954	72.4	131.5	203.9	22.9	113.9	136.8
Ontario:						
1948	89.4	200.7	290.1	38.3	123.4	161.7
1949	63.1	177.1	240.2	30.0	127.3	157.3
1950	56.1	161.8	217.9	30.2	140.9	171.1
1951	137.8	257.4	395.2	39.4	170.4	209.8
1952	158.3	318.9	477.2	43.6	179.5	223.1
1953	169.3	330.1	499.4	43.5	200.2	243.7
1954	124.3	292.0	416.3	46.0	196.9	242.9
Manitoba:						
1948	2.6	8.3	10.9	2.2	6.1	8.3
1949	3.6	9.9	13.5	2.3	6.5	8.8
1950	5.7	10.9	16.6	2.1	6.6	8.7
1951	7.9	9.7	17.6	2.5	7.5	10.0
1952	3.1	8.7	11.8	3.4	9.4	12.8
1953	2.8	9.0	11.8	3.2	9.1	12.3
1954	15.1	11.9	27.0	3.7	8.2	11.9
Saskatchewan:						
1948	2.0	3.3	5.3	1.0	1.5	2.5
1949	3.5	7.0	10.5	0.6	2.4	3.0
1950	2.3	6.2	8.5	0.5	2.6	3.1
1951	3.7	9.5	13.2	1.2	2.4	3.6
1952	3.5	6.2	9.7	1.4	2.8	4.2
1953	13.2	4.6	17.8	1.9	2.9	4.8
1954	9.8	3.5	13.3	2.6	2.3	4.9
Alberta:						
1948	9.6	6.7	16.3	2.0	4.8	6.8
1949	4.4	8.5	12.9	1.6	6.1	7.7
1950	3.2	13.4	16.6	1.7	6.1	7.8
1951	12.7	23.9	36.6	2.7	5.8	8.5
1952	43.4	31.8	75.2	4.1	7.1	11.2
1953	27.2	64.3	91.5	3.9	8.7	12.6
1954	22.3	27.3	49.6	4.2	10.2	14.4
British Columbia:						
1948	12.7	30.4	43.1	8.6	28.4	37.0
1949	23.2	41.2	64.4	7.6	26.6	34.2
1950	18.8	48.1	66.9	7.7	26.4	34.1
1951	41.2	50.2	91.4	9.9	35.7	45.6
1952	53.7	67.4	121.1	8.0	35.5	43.5
1953	55.2	69.8	125.0	9.3	31.5	40.8
1954	35.3	49.1	84.4	8.7	39.3	48.0

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-54

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Foods and beverages:						
1944	10.7	11.4	22.1	8.5	21.2	29.7
1946	24.7	28.4	53.1	12.3	20.5	32.8
1947	33.0	49.8	82.8	10.8	25.7	36.5
1948	31.9	56.5	88.4	13.2	28.6	41.8
1949	27.7	60.8	88.5	10.4	30.7	41.1
1950	26.0	49.2	75.2	10.0	31.6	41.6
1951	28.0	51.0	79.1	11.8	34.3	46.1
1952	26.6	50.7	77.3	12.5	36.0	48.5
1953	26.0	59.0	85.0	12.8	40.1	52.9
1954	38.6	65.7	104.3	13.2	41.2	54.4

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-54 - Continued

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
Tobacco and tobacco products:						
1944	—	—	—	—	—	—
1946	1.2	0.9	2.1	0.5	0.6	1.1
1947	1.0	2.1	3.1	0.5	1.0	1.5
1948	0.8	1.9	2.7	0.5	1.3	1.8
1949	0.3	2.0	2.3	0.4	1.3	1.7
1950	1.0	1.6	2.6	0.4	1.3	1.7
1951	0.5	1.7	2.2	0.4	1.3	1.7
1952	0.5	1.8	2.3	0.5	1.3	1.8
1953	1.0	2.2	3.2	0.6	1.5	2.1
1954	0.6	2.5	3.1	0.7	1.7	2.4
Rubber products (including footwear):						
1944	—	—	—	—	—	—
1946	3.9	3.6	7.5	1.1	3.7	4.8
1947	2.4	7.8	10.2	1.3	6.1	7.4
1948	1.5	4.5	6.0	0.9	4.6	5.5
1949	1.7	5.6	7.3	0.6	4.4	5.0
1950	0.6	4.1	4.7	0.7	4.6	5.3
1951	2.0	5.9	7.9	0.9	5.5	6.4
1952	2.7	7.3	10.0	0.9	6.0	6.9
1953	4.1	11.1	15.2	1.3	6.1	7.4
1954	4.6	11.1	15.7	1.0	5.9	6.9
Leather products:						
1944	—	—	—	—	—	—
1946	1.6	1.6	3.2	1.1	2.4	3.5
1947	1.2	2.0	3.2	0.9	2.9	3.8
1948	1.2	2.2	3.4	1.0	2.6	3.6
1949	0.6	2.5	3.1	0.7	2.2	2.9
1950	0.7	1.8	2.5	0.6	2.1	2.7
1951	0.9	1.9	2.8	0.6	2.1	2.7
1952	0.6	1.7	2.3	0.6	2.0	2.6
1953	0.9	2.2	3.1	0.7	2.3	3.0
1954	0.5	1.8	2.3	0.6	2.0	2.6
Textile products (except clothing):						
1944	1.8	4.9	6.7	2.8	7.6	10.4
1946	8.4	16.2	24.6	3.3	10.2	13.5
1947	10.9	25.7	36.6	2.8	12.2	15.0
1948	6.5	29.1	35.6	3.9	14.2	18.1
1949	7.0	29.9	36.9	3.6	14.9	18.5
1950	6.6	20.8	27.4	3.5	15.9	19.4
1951	9.9	29.2	39.1	4.0	16.7	20.7
1952	7.0	24.5	31.5	3.8	15.6	19.4
1953	7.9	20.0	27.9	2.8	16.6	19.4
1954	7.5	21.0	28.5	2.7	14.3	17.0
Clothing (textile and fur):						
1944	2.8	1.1	3.9	3.8	3.3	7.1
1946	2.6	5.8	8.4	2.2	3.8	6.0
1947	3.7	10.3	14.0	1.9	4.7	6.6
1948	2.1	10.2	12.3	2.2	4.8	7.0
1949	3.0	12.7	15.7	1.9	4.9	6.8
1950	2.5	9.4	11.9	1.4	4.6	6.0
1951	4.1	9.1	13.2	1.4	4.7	6.1
1952	1.6	11.1	12.7	1.3	4.4	5.7
1953	3.8	10.6	14.4	1.5	4.5	6.0
1954	2.2	7.6	9.8	1.3	4.0	5.3
Wood products:						
1944	2.9	2.4	5.3	4.6	13.5	18.1
1946	10.9	9.5	20.4	5.7	12.2	17.9
1947	11.4	20.7	32.1	6.5	15.6	22.1
1948	7.9	18.5	26.4	7.1	18.9	26.0
1949	7.5	22.9	30.4	5.7	18.2	23.9
1950	8.1	21.3	29.4	5.4	19.4	24.8
1951	11.2	27.4	38.6	7.7	24.5	32.2
1952	9.3	22.5	31.8	6.1	23.5	29.6
1953	10.4	24.2	34.6	7.8	22.3	30.1
1954	8.4	24.5	32.9	6.5	24.1	30.6
Paper products:						
1944	8.0	6.7	14.7	1.9	32.3	34.2
1946	27.2	27.8	55.0	5.3	28.4	33.7
1947	31.2	49.8	81.0	6.4	37.3	43.7
1948	29.1	60.4	89.5	7.0	47.3	54.3
1949	26.8	65.2	92.0	8.7	51.1	59.8
1950	21.1	57.4	78.5	8.0	51.7	59.7
1951	41.7	83.2	124.9	9.7	69.0	78.7
1952	33.6	95.9	129.5	8.3	72.9	81.2
1953	22.5	81.6	104.1	7.0	69.7	76.7
1954	21.6	65.7	87.3	8.2	75.1	83.3

1. Figures not compiled separately; they are, however, included in the total.

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-54 - Continued

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Printing, publishing and allied trades:						
1944.....	0.2	2.2	2.4	0.6	3.9	4.5
1946.....	2.9	4.4	7.3	1.3	2.4	3.7
1947.....	5.4	8.4	13.8	1.6	3.2	4.8
1948.....	7.0	12.4	19.4	1.6	3.9	5.5
1949.....	6.3	16.4	22.7	1.4	3.9	5.3
1950.....	5.0	14.4	19.4	1.7	4.1	5.8
1951.....	6.3	18.0	24.3	1.7	4.6	6.3
1952.....	3.3	11.0	14.3	1.5	4.1	5.6
1953.....	3.8	12.6	16.4	2.0	4.4	6.4
1954.....	11.7	19.7	31.4	2.4	4.9	7.3
Iron and steel products:						
1944.....	10.1	22.2	32.3	6.5	26.2	32.7
1946.....	14.9	22.0	36.9	8.4	22.8	31.2
1947.....	16.0	38.9	54.9	10.1	32.4	42.5
1948.....	19.6	36.7	56.3	12.0	38.4	50.4
1949.....	14.6	44.9	59.5	12.4	38.9	51.3
1950.....	13.5	30.7	44.2	12.7	41.7	54.4
1951.....	47.1	50.1	97.2	13.0	58.9	71.9
1952.....	46.2	89.7	135.9	16.1	64.8	80.9
1953.....	35.5	78.5	114.0	15.6	70.8	86.4
1954.....	22.0	66.4	88.4	12.6	64.0	76.6
Transportation equipment:						
1944.....	1.6	4.7	6.3	11.0	20.8	31.8
1946.....	5.4	10.3	15.7	3.7	14.4	18.1
1947.....	5.2	8.9	14.1	3.1	14.2	17.3
1948.....	5.4	10.0	15.4	5.3	16.8	22.1
1949.....	6.7	18.2	24.9	5.3	20.2	25.5
1950.....	9.9	17.4	27.3	5.7	20.0	25.7
1951.....	21.8	27.1	48.9	6.9	21.5	28.4
1952.....	37.1	25.0	62.1	11.6	31.1	42.7
1953.....	46.9	50.5	97.4	11.9	33.0	44.9
1954.....	20.9	44.3	65.2	10.9	30.0	40.9
Non-ferrous metal products:						
1944.....	6.4	2.4	8.8	5.0	15.3	20.3
1946.....	2.3	5.3	7.6	3.1	12.2	15.3
1947.....	6.7	9.4	16.1	4.7	16.4	21.1
1948.....	8.9	16.8	25.7	7.8	25.9	33.7
1949.....	10.4	22.0	32.4	4.4	22.3	26.7
1950.....	8.9	13.5	22.4	4.0	24.6	28.6
1951.....	22.4	26.0	48.4	6.9	30.3	37.2
1952.....	35.1	35.6	70.7	8.5	34.2	42.7
1953.....	37.6	41.7	79.3	8.7	36.1	44.8
1954.....	20.3	33.3	53.6	8.7	40.1	48.8
Electrical apparatus and supplies:						
1944.....	—	—	—	—	—	—
1946.....	3.0	8.7	11.7	1.2	5.0	6.2
1947.....	5.3	9.7	15.0	2.0	7.1	9.1
1948.....	4.8	11.9	16.7	2.2	8.7	10.9
1949.....	4.8	14.1	18.9	2.0	9.4	11.4
1950.....	3.1	10.6	13.7	2.0	10.5	12.5
1951.....	16.3	15.6	31.9	2.2	11.4	13.6
1952.....	21.8	18.6	40.4	2.8	11.7	14.5
1953.....	15.8	20.2	36.0	2.7	14.2	16.9
1954.....	11.7	20.0	31.7	3.1	13.6	16.7
Non-metallic mineral products:						
1944.....	1.4	1.2	2.6	0.8	6.5	7.3
1946.....	3.5	4.2	7.7	1.4	8.4	9.8
1947.....	11.3	10.6	21.9	1.6	9.9	11.5
1948.....	11.1	17.0	28.1	2.3	13.3	15.6
1949.....	6.9	15.2	22.1	1.5	14.3	15.8
1950.....	4.4	12.0	16.4	1.6	15.7	17.3
1951.....	11.5	18.9	30.4	4.7	15.6	20.3
1952.....	11.2	23.1	34.3	3.9	16.6	20.5
1953.....	11.0	21.3	32.3	2.2	22.1	24.3
1954.....	19.6	23.6	43.2	2.8	23.8	26.6
Products of petroleum and coal:						
1944.....	—	—	—	—	—	—
1946.....	5.2	4.6	9.8	2.4	5.2	7.6
1947.....	23.3	10.4	33.7	3.4	7.8	11.2
1948.....	29.3	13.4	42.7	6.6	6.3	12.9
1949.....	18.1	11.6	29.7	3.0	11.0	14.0
1950.....	14.3	18.5	32.8	4.8	9.7	14.5
1951.....	21.7	37.3	59.0	8.3	8.8	17.1
1952.....	41.1	36.4	77.5	11.2	9.5	20.7
1953.....	61.6	19.9	81.5	11.8	12.0	23.8
1954.....	79.6	14.0	93.6	15.7	11.5	27.2

1. Figures not compiled separately; they are, however, included in the total.

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-54 - Concluded

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
Chemical products:						
1944	1.4	1.6	3.0	3.7	8.1	11.8
1946	11.6	8.0	19.6	2.9	10.3	13.2
1947	14.4	19.3	33.7	4.0	12.5	16.5
1948	15.0	26.9	41.9	4.3	15.8	20.1
1949	11.9	30.9	42.8	3.9	17.3	21.2
1950	7.3	19.0	26.3	4.3	19.1	23.4
1951	19.2	38.5	57.7	4.0	24.8	28.8
1952	61.2	79.8	141.0	4.5	26.6	31.1
1953	32.0	90.3	122.3	4.3	26.5	30.8
1954	15.1	24.7	39.8	6.2	31.4	37.6
Miscellaneous industries:						
1944 ²	1.3	81.4 ²	82.7	1.0	1.9	2.9
1946	2.9	43.7	46.6	0.9	1.8	2.7
1947	2.3	59.4	61.7	0.8	1.7	2.5
1948	2.7	65.8	68.5	1.0	2.5	3.5
1949	2.3	4.3	6.6	0.8	2.2	3.0
1950	2.4	3.6	6.0	0.8	2.4	3.2
1951	3.0	4.4	7.4	0.8	3.0	3.8
1952	4.7	4.1	8.8	1.1	3.2	4.3
1953	3.7	5.0	8.7	0.9	3.3	4.2
1954	2.7	4.5	7.2	1.0	3.3	4.3

2. Includes allowance for capital items charged to operating expense of \$18,000,000 in 1944.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-54
(Industries Ranked According to the Value of Factory Shipments in 1953)

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
1. Pulp and paper:						
1948	25.7	53.6	79.3	6.2	43.6	49.8
1949	24.2	47.6	71.8	7.2	45.8	53.0
1950	17.9	50.7	68.6	7.0	46.5	53.5
1951	35.0	73.9	108.9	8.6	62.6	71.2
1952	29.0	86.6	115.6	7.3	66.5	73.8
1953	18.5	73.4	91.9	6.2	63.5	69.7
1954	13.8	55.2	69.0	7.3	68.5	75.8
2. Non-ferrous metal smelting and refining:						
1948	7.5	9.8	17.3	7.1	18.6	25.7
1949	7.0	7.4	14.4	0.7	15.5	16.2
1950	6.7	9.4	16.1	2.8	19.7	22.5
1951	20.6	19.8	40.4	5.3	24.0	29.3
1952	32.6	29.7	62.3	7.0	26.9	33.9
1953	33.4	33.7	67.1	7.7	29.4	37.1
1954	19.5	27.7	47.2	7.3	33.3	40.6
3. Motor vehicles:						
1948	2.0	4.3	6.3	1.8	5.3	7.1
1949	1.1	4.7	5.8	1.4	5.1	6.5
1950	3.1	7.7	10.8	1.7	6.1	7.8
1951	7.4	10.3	17.7	1.8	6.5	8.3
1952	20.9	11.1	32.0	2.3	7.3	9.6
1953	27.0	27.1	54.1	3.0	9.4	12.4
1954	11.1	14.7	25.8	2.6	9.7	12.3
4. Slaughtering and meat packing:						
1948	2.2	3.8	6.0	3.4	3.7	7.1
1949	1.5	3.9	5.4	1.6	5.4	7.0
1950	2.2	3.2	5.4	1.5	5.5	7.0
1951	2.3	3.5	5.8	2.2	5.3	7.5
1952	3.1	4.7	7.8	2.4	5.8	8.2
1953	2.1	4.8	6.9	2.6	7.7	10.3
1954	4.0	5.8	9.8	2.5	7.6	10.1
5. Petroleum products:						
1948 ¹	-	-	-	-	-	-
1949 ¹	-	-	-	-	-	-
1950	9.6	14.5	24.1	3.3	7.1	10.4
1951	18.9	30.2	49.1	7.4	5.5	12.9
1952	32.1	28.0	60.1	9.6	6.1	15.7
1953	56.8	9.0	65.8	10.5	7.9	18.4
1954	75.1	7.5	82.6	14.7	7.7	22.4

1. Not available.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-54 — Continued

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
6. Sawmills:						
1948.....	5.0	11.6	16.6	4.7	13.3	18.0
1949.....	4.3	12.2	16.5	3.3	12.9	16.2
1950.....	5.4	15.3	20.7	3.5	14.0	17.5
1951.....	6.4	17.4	23.8	5.1	18.0	23.1
1952.....	5.5	12.9	18.4	3.6	16.1	19.7
1953.....	4.0	12.5	16.5	5.1	16.0	21.1
1954.....	4.2	14.7	18.9	4.0	17.4	21.4
7. Primary iron and steel:						
1948.....	7.3	12.0	19.3	5.1	16.3	21.4
1949.....	2.4	9.2	11.6	5.4	15.4	20.8
1950.....	1.7	5.2	6.9	5.9	18.0	23.9
1951.....	28.9	21.4	50.3	5.5	27.8	33.3
1952.....	20.5	52.4	72.9	6.3	31.4	37.7
1953.....	11.9	38.0	49.9	7.2	38.6	45.8
1954.....	6.2	27.3	33.5	5.2	31.6	36.8
8. Aircraft and parts:						
1948.....	0.1	0.2	0.3	0.3	0.6	0.9
1949.....	0.9	0.5	1.4	0.5	1.0	1.5
1950.....	1.9	0.8	2.7	0.7	0.9	1.6
1951.....	4.7	6.1	10.8	0.9	1.0	1.9
1952.....	6.3	2.1	8.4	1.3	1.7	3.0
1953.....	8.3	3.5	11.8	0.9	3.9	4.8
1954.....	4.0	4.4	8.4	1.2	3.0	4.2
9. Butter and cheese:						
1948.....	2.8	8.1	10.9	1.5	4.0	5.5
1949.....	1.7	7.8	9.5	1.3	4.0	5.3
1950.....	1.5	7.1	8.6	1.2	4.4	5.6
1951.....	1.7	6.8	8.5	1.3	4.2	5.5
1952.....	2.4	7.1	9.5	1.8	4.4	6.2
1953.....	2.4	8.4	10.8	1.5	4.4	5.9
1954.....	2.3	9.6	11.9	1.7	4.9	6.6
10. Railway rolling stock:						
1948.....	2.4	2.3	4.7	1.6	6.2	7.8
1949.....	1.9	4.0	5.9	1.7	6.7	8.4
1950.....	1.3	2.8	4.1	1.6	5.3	6.9
1951.....	2.1	2.4	4.5	1.9	5.1	7.0
1952.....	5.7	4.0	9.7	8.1	11.3	19.4
1953.....	3.4	5.9	9.3	4.6	9.1	13.7
1954.....	1.8	4.6	6.4	4.0	8.0	12.0
11. Motor vehicle parts:						
1948.....	1.1	2.6	3.7	0.7	3.5	4.2
1949.....	1.7	3.9	5.6	0.8	4.1	4.9
1950.....	2.5	5.5	8.0	0.7	4.9	5.6
1951.....	6.8	10.7	17.5	1.1	5.9	7.0
1952.....	5.2	5.7	10.9	1.4	6.1	7.5
1953.....	6.2	11.6	17.8	1.2	7.2	8.4
1954.....	2.3	18.1	20.4	0.9	5.8	6.7
12. Rubber goods, including footwear:						
1948.....	1.5	5.7	7.2	0.9	4.6	5.5
1949.....	1.7	4.6	6.3	0.6	4.4	5.0
1950.....	0.6	4.1	4.7	0.7	4.6	5.3
1951.....	2.0	5.9	7.9	0.9	5.5	6.4
1952.....	2.7	7.3	10.0	0.9	6.0	6.9
1953.....	4.1	11.1	15.2	1.3	6.0	7.3
1954.....	4.6	11.1	15.7	1.0	5.9	6.9
13. Miscellaneous food preparations:						
1948.....	0.7	2.1	2.8	0.4	0.6	1.0
1949.....	6.0	6.1	12.1	0.6	1.2	1.8
1950.....	0.6	2.2	2.8	0.4	0.8	1.2
1951.....	2.8	3.4	6.2	0.7	2.2	2.9
1952.....	1.9	2.2	4.1	0.4	0.9	1.3
1953.....	1.0	4.4	5.4	0.6	2.6	3.2
1954.....	2.2	5.0	7.2	0.7	2.8	3.5
14. Bread and other bakery products:						
1948.....	2.7	7.2	9.9	1.1	2.7	3.8
1949.....	1.5	6.2	7.7	1.1	2.9	4.0
1950.....	2.8	7.9	10.7	1.0	3.5	4.5
1951.....	2.5	8.4	10.9	1.1	4.1	5.2
1952.....	3.9	9.6	13.5	1.3	3.7	5.0
1953.....	2.6	9.2	11.8	1.3	5.1	6.4
1954.....	2.9	8.1	11.0	1.2	4.7	5.9
15. Clothing, men's factory:						
1948.....	0.6	2.0	2.6	0.5	0.9	1.4
1949.....	0.7	1.6	2.3	0.5	0.9	1.4
1950.....	0.3	1.4	1.7	0.4	0.9	1.3
1951.....	0.5	1.6	2.1	0.3	1.0	1.3
1952.....	0.3	1.6	1.9	0.4	0.9	1.3
1953.....	1.3	1.8	3.1	0.5	0.9	1.4
1954.....	1.4	1.3	2.7	0.6	0.7	1.3

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-54 — Concluded

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
16. Flour mills:						
1948.....	1.7	4.3	6.0	0.5	2.2	2.7
1949.....	2.9	3.7	6.6	0.2	1.4	1.6
1950.....	0.7	2.3	3.0	0.2	1.5	1.7
1951.....	0.4	1.5	1.9	0.4	1.5	1.9
1952.....	0.5	1.7	2.2	0.2	1.6	1.8
1953.....	0.2	1.0	1.2	0.5	1.6	2.1
1954.....	0.5	2.0	2.5	0.3	1.3	1.6
17. Miscellaneous electrical apparatus and supplies:						
1948 ¹	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950.....	0.7	3.4	4.1	0.7	4.1	4.8
1951.....	3.6	4.9	8.5	0.8	4.0	4.8
1952.....	6.7	5.5	12.2	1.1	5.0	6.1
1953.....	2.7	6.8	9.5	0.9	5.7	6.6
1954.....	3.0	6.8	9.8	1.0	5.6	6.6
18. Machinery, heavy electrical:						
1948.....	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950.....	1.1	3.8	4.9	0.5	4.0	4.5
1951.....	3.5	5.0	8.5	0.6	7.0	7.6
1952.....	10.8	6.9	17.7	1.0	4.2	5.2
1953.....	8.1	6.1	14.2	1.0	5.5	6.5
1954.....	3.0	6.4	9.4	1.2	4.8	6.0
19. Printing and publishing:						
1948.....	4.2	4.8	9.0	0.8	1.9	2.7
1949.....	2.5	5.7	8.2	0.7	1.7	2.4
1950.....	2.9	5.7	8.6	0.6	1.7	2.3
1951.....	3.5	9.3	12.8	0.8	1.9	2.7
1952.....	2.5	5.5	8.0	0.8	1.9	2.7
1953.....	2.5	5.9	8.4	1.0	2.1	3.1
1954.....	6.1	9.7	15.8	1.0	2.1	3.1
20. Furniture:						
1948.....	1.0	2.6	3.6	0.8	1.5	2.3
1949.....	0.7	2.1	2.8	0.8	1.7	2.5
1950.....	0.9	2.1	3.0	0.9	1.6	2.5
1951.....	1.2	2.4	3.6	0.9	1.8	2.7
1952.....	0.9	2.4	3.3	0.8	1.8	2.6
1953.....	2.2	3.8	6.0	1.1	2.0	3.1
1954.....	1.7	3.1	4.8	1.3	2.1	3.4
21. Machinery, industrial:						
1948.....	3.1	6.3	9.4	1.4	3.4	4.8
1949.....	4.0	7.5	11.5	1.6	3.3	4.9
1950.....	1.3	3.6	4.9	0.8	2.2	3.0
1951.....	2.7	4.2	6.9	0.9	3.1	4.0
1952.....	7.0	8.4	15.4	1.1	3.3	4.4
1953.....	5.0	7.3	12.3	1.1	3.3	4.4
1954.....	2.5	7.6	10.1	1.1	3.4	4.5
22. Sheet metal products:						
1948.....	1.2	2.6	3.8	1.0	2.4	3.4
1949.....	1.5	2.6	4.1	1.0	2.5	3.5
1950.....	1.5	2.9	4.4	1.2	2.1	3.3
1951.....	3.5	3.9	7.4	1.0	3.1	4.1
1952.....	1.6	3.2	4.8	0.9	3.0	3.9
1953.....	2.2	4.2	6.4	0.8	3.1	3.9
1954.....	1.9	4.6	6.5	0.8	3.4	4.2
23. Clothing, women's factory:						
1948.....	0.6	1.7	2.3	0.3	0.9	1.2
1949.....	0.7	1.8	2.5	0.2	0.8	1.0
1950.....	0.1	1.1	1.2	0.1	0.6	0.7
1951.....	0.7	0.9	1.6	0.1	0.6	0.7
1952.....	0.5	1.2	1.7	0.1	0.6	0.7
1953.....	—	1.3	1.3	0.1	0.5	0.6
1954.....	0.1	1.0	1.1	0.1	0.6	0.7
24. Cotton yarn and cloth:						
1948.....	1.9	8.9	10.8	1.4	4.5	5.9
1949.....	1.8	7.1	8.9	1.7	4.2	5.9
1950.....	2.0	8.1	10.1	1.5	4.9	6.4
1951.....	9.1	9.1	12.0	1.6	5.4	7.0
1952.....	2.9	5.6	8.5	1.7	5.6	7.3
1953.....	0.9	3.3	4.2	1.2	5.6	6.8
1954.....	0.4	1.6	2.0	1.0	4.8	5.8
25. Fruit and vegetable preparations:						
1948.....	1.6	3.8	5.4	0.8	3.0	3.8
1949.....	0.8	2.2	3.0	0.5	2.3	2.8
1950.....	0.9	1.6	2.5	0.6	2.3	2.9
1951.....	1.4	2.9	4.3	0.9	3.2	4.1
1952.....	1.0	2.8	3.8	1.0	3.2	4.2
1953.....	0.6	2.7	3.3	0.8	3.4	4.2
1954.....	1.4	4.0	5.4	0.9	3.9	4.8

1. Not available.

Subsection 2. Value of Manufacturing Inventory

As explained in the section on Capital Employed, the collection of statistics on capital investment by manufacturers was discontinued in 1944. This was replaced by the collection annually of expenditure statistics on fixed capital, repairs and maintenance from all large manufacturers, with estimates being made for the smaller establishments. As a result of this change no information was available on investment in inventory. Before long, however, the need for this information became apparent. Consequently, beginning with 1949, calendar year-end inventory values have been collected from all manufacturing plants with an annual gross value of production of \$50,000 or over. These values are inflated to a total by estimating for small firms in each industry on the basis of the gross value-inventory ratio of reporting firms.

Commencing with 1954 questions on inventory were put back on the forms used in the annual survey of manufactures. As a result, all establishments with shipments of \$50,000 or more were required to give this information. As in the case of the calendar year-end series, estimates for establishments with shipments of under \$50,000 were made on the same basis. The results of the two series for 1954 are given in Table 25 below. It will be noted that these two series differ slightly. This is mainly due to the difference in time of reporting this information. In the first series the figures refer to the end of December while in the second they refer to the company year which in a number of cases might be anywhere from the end of January to the end of June. The figures in the first series are accordingly higher by 3.6 p.c. This is due to the desire of most companies to have

as low an inventory as possible at the end of their financial year. When the financial year is other than the calendar year they could and usually do report a higher figure for December than they do for the end of their financial year which is reported in the second series.

It should be noted that the calendar year-end values as shown in the table below are not strictly comparable with those published in previous general reviews on manufacturing, since the series previously published has been reduced by the entire value of inventories held but not owned, i.e. held under progress payments arrangements. The deduction was made from the goods in process component. In previous reviews an item of total inventory holdings was shown separately, but no attempt was made to assign it to any specific component. While the assumption that all such inventory is part of goods in process is not strictly true, it is nevertheless a fairly good working approximation.

Company year-end inventories in 1954 totalled \$3,212,259,750, of which amount \$1,592,511,471 was raw materials and supplies, \$608,641,448 goods in process and \$1,011,106,831 in finished goods. The foods and beverages group with 505.7 million dollars reported the highest inventory of any group. Iron and steel products with 475.5 millions came second, followed by paper products with 277.3 millions, wood products \$241.0 millions, transportation equipment 232.7 millions, chemicals and allied products 230.7 millions, electrical apparatus and supplies 208.6 millions, etc.

TABLE 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-54

(Million dollars)

Year, Province and Industrial Group	Total inventory	Raw materials and supplies	Goods in process	Finished goods
1949	2,333.0	N.A.	N.A.	N.A.
1950	2,638.0	1,448.0	472.0	718.0
1951	3,390.0	1,781.0	610.0	999.0
1952 ¹	3,350.0	1,817.0	568.0	965.0
1953 ¹	3,519.0	1,830.0	613.0	1,076.0
1954	3,328.0	1,705.0	606.0	1,017.0
Province				
Newfoundland	19.5	14.3	.6	4.6
Prince Edward Island	2.5	1.2	.1	1.2
Nova Scotia	53.1	27.5	8.3	17.3
New Brunswick	46.6	28.7	3.9	14.0
Quebec	1,012.8	556.0	190.1	266.7
Ontario	1,636.2	753.0	344.4	538.8
Manitoba	82.7	47.0	9.4	26.3
Saskatchewan	32.3	13.5	2.7	16.1
Alberta	82.3	34.1	11.3	36.9
British Columbia	243.3	116.7	37.8	88.8
Yukon and Northwest Territories .....	.9	.5	2	.4
Canada, 1954	3,212.2	1,592.5	608.6	1,011.1
Industrial Group				
Foods and beverages	505.7	201.4	124.6	179.7
Tobacco and tobacco products	95.2	55.1	2.6	37.5
Rubber products	47.8	13.7	6.7	27.4
Leather products	45.3	20.3	8.7	16.3
Textiles	170.7	67.9	41.3	61.5
Knitting mills	38.8	11.7	10.7	16.4
Clothing	123.2	71.9	13.9	37.4
Wood products	241.0	127.9	27.0	86.1
Paper products	277.3	225.8	9.3	42.2
Printing, publishing and allied industries	43.6	25.3	11.6	6.7
Iron and steel products	475.5	215.1	123.7	136.7
Transportation equipment	232.7	133.7	64.6	34.4
Non-ferrous metal products	198.4	116.4	36.9	45.1
Electrical apparatus and supplies	208.6	72.8	57.9	77.9
Non-metallic mineral products	63.3	35.1	4.0	24.2
Products of petroleum and coal	154.2	51.1	17.5	85.6
Chemicals and allied products	230.7	118.9	36.2	75.6
Miscellaneous industries	60.2	28.4	11.4	20.4

1. Revised.

2. Less than \$50,000.

Subsection 3. Employment in Manufacturing Industries

Monthly Record of Employment.—Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest.

After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 production workers were on the payrolls, was surpassed in September, 1937, with 582,305 production workers. After the outbreak of war the improvement in employment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 production workers were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 occurred in June when 1,049,557 production workers were employed. From then on employment declined steadily to the end of 1945 when 819,619 production workers were reported. At the end of 1951 there were

953,952 production workers employed, compared with an employment of 961,820 production workers in December, 1944, and 1,021,630 in December, 1943.

During the first half of 1952 the number of production workers increased each month, but not to the extent of the employment in the same month of the previous year. From the middle of the year monthly employment figures exceeded those of the previous year. This trend continued to October 1953. The trend for the next two months was downward so that by the end of 1953 there were only 990,611 production workers as compared with 1,018,764 at the end of December 1952.

The minor recession experienced in 1954 is reflected in the monthly employment figures, the number employed each month being lower than the corresponding month of the previous year, although there was the usual upturn during the summer months. Employment at the end of December at 932,786 was at the lowest level since 1949 when 906,851 persons were employed. December 1952 with 1,018,764 production workers had the highest year-end figures during this period.

TABLE 26. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1922-54

Month	1922	1929	1933	1939	1943	1949	1953	1954
All wage-earners								
January	324,257	502,644	340,027	490,337	1,023,261	928,077	1,018,989	979,801
February	336,729	519,423	347,777	496,160	1,030,878	932,356	1,031,109	985,063
March	349,110	536,866	355,888	503,475	1,036,648	937,714	1,043,881	989,350
April	360,248	555,711	358,759	509,739	1,033,748	944,307	1,051,578	988,374
May	382,504	574,905	377,659	530,864	983,058	961,137	1,070,579	1,000,313
June	393,935	575,693	392,196	531,245	1,058,645	973,324	1,084,138	1,011,718
July	391,186	573,554	393,464	529,575	1,056,975	964,813	1,086,881	1,008,963
August	389,511	567,022	402,249	543,605	1,067,890	975,114	1,091,103	1,008,332
September	392,423	564,796	410,954	562,355	1,066,595	970,324	1,085,308	1,004,246
October	385,262	553,338	405,757	568,564	1,053,486	951,017	1,052,831	986,369
November	378,992	527,213	396,384	563,117	1,049,738	934,576	1,025,023	961,505
December	367,724	499,893	380,612	544,817	1,021,630	906,851	990,611	932,786
Male								
January	243,682	397,459	257,445	381,997	751,269	716,005	803,665	775,348
February	253,178	410,865	260,728	385,955	755,181	719,374	811,579	778,646
March	263,849	426,713	267,259	391,623	757,702	725,953	821,464	782,905
April	274,821	443,560	271,348	398,982	755,888	732,906	830,012	784,744
May	294,095	459,783	285,705	416,963	764,158	747,614	846,684	795,664
June	304,395	460,294	296,937	417,875	776,003	757,575	858,300	804,702
July	304,020	459,051	300,329	417,987	779,687	750,579	860,303	802,063
August	301,234	449,721	302,969	421,895	777,733	747,518	853,998	790,269
September	298,918	441,510	304,908	431,509	767,043	739,768	843,701	781,256
October	291,973	432,576	301,315	437,220	754,484	725,853	821,092	769,127
November	286,511	412,114	294,945	432,920	753,211	715,188	801,482	749,863
December	277,854	391,903	285,690	422,538	738,073	700,141	783,235	736,203
Female								
January	80,575	105,185	82,582	108,340	271,992	212,072	215,324	204,453
February	83,551	108,558	87,049	110,205	275,697	212,982	219,530	206,417
March	85,261	110,153	88,629	111,852	278,946	211,761	222,417	206,445
April	85,427	112,142	87,411	110,757	277,860	211,401	221,566	203,630
May	88,409	115,122	91,954	113,901	218,900	213,523	223,895	204,649
June	89,540	115,399	95,259	113,270	282,642	215,749	225,838	207,016
July	87,166	114,503	93,135	111,588	277,288	214,234	226,578	206,900
August	88,277	117,301	99,280	121,710	290,157	227,596	237,105	218,063
September	93,505	123,286	106,046	130,846	299,552	230,556	241,607	222,990
October	93,289	120,762	104,442	131,344	209,002	225,164	231,739	217,242
November	92,481	115,099	101,439	130,197	296,527	219,388	223,541	211,642
December	89,970	107,990	94,922	122,279	283,557	206,710	207,376	196,583

TABLE 27. Production Workers Employed in Manufacturing Industries by Months Sex and Provinces, 1953 and 1954

Province and month	1953			1954		
	Male	Female	Total	Male	Female	Total
Number						
Newfoundland:						
January	6,578	762	7,340	5,851	768	6,619
February	6,321	795	7,116	5,971	728	6,699
March	6,638	805	7,443	6,196	747	6,943
April	7,298	798	8,096	6,684	759	7,443
May	7,813	791	8,604	6,964	793	7,757
June	7,912	862	8,774	7,278	1,029	8,307
July	7,948	943	8,891	7,627	1,075	8,702
August	8,071	932	9,003	7,425	1,098	8,523
September	8,043	892	8,935	7,319	1,123	8,442
October	7,593	880	8,473	6,854	1,039	7,893
November	7,276	871	8,147	6,562	912	7,474
December	6,840	705	7,545	6,350	802	7,152
Prince Edward Island:						
January	748	197	945	591	140	731
February	742	160	902	609	157	766
March	794	139	933	630	140	770
April	996	144	1,140	864	186	1,050
May	1,351	743	2,094	1,293	811	2,104
June	1,219	607	1,826	1,276	754	2,030
July	1,157	698	1,855	1,159	656	1,815
August	1,203	647	1,850	1,184	543	1,727
September	1,039	447	1,486	1,062	403	1,465
October	964	347	1,311	967	317	1,284
November	871	305	1,176	866	302	1,168
December	678	207	885	707	207	914
Nova Scotia:						
January	23,043	3,330	26,373	21,214	2,846	24,060
February	22,744	3,184	25,928	20,926	2,794	23,720
March	23,223	3,084	26,307	20,674	2,656	23,330
April	23,741	3,380	27,121	22,017	2,858	24,875
May	24,889	3,959	28,848	23,174	3,645	26,819
June	25,606	3,922	29,528	23,562	3,568	27,130
July	25,339	3,833	29,172	22,737	3,422	26,159
August	24,445	3,910	28,355	22,152	3,436	25,588
September	23,754	3,603	27,357	21,385	3,405	24,790
October	22,897	3,595	26,492	20,662	3,484	24,146
November	21,871	3,486	25,357	20,177	3,427	23,604
December	20,977	2,949	23,926	19,115	2,955	22,070
New Brunswick:						
January	16,142	2,482	18,624	14,180	1,960	16,140
February	16,296	2,426	18,722	14,401	2,161	16,562
March	16,865	2,578	19,443	14,516	2,261	16,777
April	17,424	2,697	20,121	15,007	2,413	17,420
May	18,890	3,868	22,758	16,742	3,566	20,308
June	19,572	4,098	23,670	17,996	4,031	22,027
July	19,185	4,077	23,262	18,003	4,012	22,015
August	18,964	4,593	23,557	17,120	3,924	21,044
September	18,156	4,147	22,303	16,410	3,533	19,943
October	16,999	3,516	20,515	15,345	2,841	18,186
November	15,875	2,829	18,704	14,888	2,517	17,205
December	15,008	2,292	17,300	13,519	1,934	15,453
Quebec:						
January	250,947	93,929	344,876	242,233	88,796	331,029
February	253,867	96,117	349,984	243,666	90,458	334,124
March	257,211	97,537	354,748	246,731	91,141	337,872
April	262,642	96,828	359,470	250,032	90,334	340,366
May	268,505	95,623	364,128	254,239	88,805	343,044
June	269,588	93,082	362,670	255,636	87,779	343,415
July	269,889	92,838	362,727	253,032	87,180	340,212
August	267,977	96,871	364,848	251,142	92,050	343,192
September	264,053	95,365	362,418	246,491	93,300	339,791
October	258,113	95,578	353,691	242,497	92,343	334,840
November	251,643	93,385	345,028	238,312	90,455	328,767
December	243,132	87,851	330,983	231,037	86,028	317,065
Ontario:						
January	386,155	95,302	481,457	375,166	91,755	466,921
February	390,089	97,201	487,290	374,659	91,572	466,231
March	393,221	98,458	491,679	372,932	90,542	463,474
April	397,415	97,687	495,102	372,203	88,117	460,320
May	402,562	98,697	501,259	372,505	87,774	460,279
June	407,583	100,849	508,432	373,808	89,239	463,047
July	407,416	99,655	507,071	369,736	87,417	457,153
August	403,154	95,387	508,541	361,877	93,528	455,405
September	400,802	109,589	510,391	361,979	98,414	460,393
October	391,269	105,431	496,700	358,196	95,858	454,054
November	383,022	102,168	485,190	346,964	94,705	441,669
December	378,308	95,055	473,363	345,800	87,313	433,113

TABLE 27. Production Workers in the Manufacturing Industries by Months, Sex and Provinces, 1953 and 1954 - Concluded

Province and Month	1953			1954		
	Male	Female	Total	Male	Female	Total
Number						
Manitoba:						
January	27,101	8,097	35,198	25,708	7,250	32,958
February	27,170	8,189	35,359	25,541	7,314	32,855
March	27,229	8,154	35,383	25,700	7,408	33,108
April	27,055	8,119	35,174	25,477	7,318	32,795
May	27,456	7,915	35,371	25,456	7,074	32,530
June	28,052	8,273	36,325	25,941	7,425	33,366
July	28,496	8,352	36,848	26,238	7,535	33,773
August	28,406	8,385	36,791	26,176	7,612	33,788
September	28,138	8,431	36,569	25,970	7,540	33,510
October	27,026	8,052	35,078	25,296	7,703	32,999
November	26,756	7,590	34,346	24,761	7,065	31,826
December	26,518	7,257	33,775	23,652	6,648	30,300
Saskatchewan:						
January	7,184	907	8,091	7,359	893	8,242
February	7,411	913	8,324	7,475	895	8,370
March	7,534	911	8,445	7,521	910	8,431
April	7,415	973	8,388	7,300	965	8,265
May	7,320	1,015	8,335	7,425	965	8,390
June	7,537	1,059	8,596	7,481	1,004	8,485
July	7,751	1,080	8,831	7,726	1,110	8,836
August	7,633	1,050	8,683	7,467	1,049	8,516
September	7,382	1,015	8,397	7,249	1,050	8,299
October	7,395	1,006	8,401	7,029	1,023	8,052
November	7,412	986	8,398	7,087	1,027	8,114
December	7,266	951	8,217	6,850	952	7,802
Alberta:						
January	23,605	3,327	26,932	22,589	3,271	25,860
February	23,555	3,372	26,927	22,602	3,285	25,887
March	23,520	3,411	26,931	22,542	3,289	25,831
April	20,338	3,357	23,695	20,128	3,288	23,416
May	20,410	3,427	23,837	20,260	3,415	23,675
June	21,259	3,583	24,842	20,979	3,482	24,461
July	21,795	3,784	25,579	21,942	3,844	25,786
August	21,866	3,574	25,440	21,530	3,589	25,119
September	21,879	3,927	25,806	21,128	3,537	24,665
October	21,863	3,522	25,385	21,114	3,220	24,334
November	22,845	3,494	26,339	21,865	3,203	25,068
December	23,625	2,997	26,622	22,617	2,681	25,298
British Columbia:						
January	62,101	6,984	69,085	60,391	6,771	67,162
February	63,301	7,160	70,461	62,715	7,040	69,755
March	65,135	7,325	72,460	65,382	7,338	72,720
April	65,592	7,566	73,158	64,932	7,377	72,309
May	67,358	7,840	75,198	67,480	7,785	75,265
June	69,805	9,486	79,291	70,588	8,689	79,277
July	71,159	11,298	82,457	73,668	10,633	84,301
August	72,124	11,736	83,860	73,994	11,217	85,211
September	70,335	11,174	81,509	72,076	10,669	82,744
October	66,880	9,807	76,687	71,050	9,403	80,453
November	63,841	8,411	72,252	68,488	8,017	76,505
December	60,825	7,098	67,923	66,500	7,053	73,553
Yukon and Northwest Territories:						
January	61	7	68	66	13	79
February	83	13	96	81	13	94
March	94	15	109	81	13	94
April	96	17	113	100	15	115
May	130	17	147	126	16	142
June	157	17	174	157	16	173
July	168	20	188	195	16	211
August	155	20	175	202	17	219
September	120	17	137	179	17	196
October	93	15	108	117	11	128
November	70	16	86	93	12	105
December	58	14	72	56	10	66

TABLE 28. Production Workers Employed in the Manufacturing Industries by Months sex and Industrial Groups, 1953 and 1954

Group and month	1953			1954		
	Male	Female	Total	Male	Female	Total
Number						
Foods and beverages:						
January	95,000	28,690	123,690	95,848	27,975	123,823
February	94,239	28,804	123,043	96,057	28,498	124,555
March	95,404	29,142	124,546	97,122	28,761	125,883
April	99,408	30,145	129,553	100,735	29,583	130,318
May	104,880	34,448	139,328	107,140	34,103	141,243
June	111,017	38,478	149,495	113,503	37,941	151,444
July	116,865	41,738	158,604	116,436	40,992	157,428
August	116,854	48,108	164,962	117,270	46,338	163,608
September	114,809	48,937	163,746	114,891	47,224	162,115
October	109,170	41,188	150,358	110,728	41,172	151,900
November	104,891	36,726	141,617	106,310	36,549	142,859
December	99,309	29,978	129,287	99,787	28,541	128,328
Tobacco and tobacco products:						
January	3,758	5,440	9,198	4,126	6,153	10,279
February	3,699	5,459	9,158	3,998	6,091	10,089
March	3,393	5,562	8,955	3,335	5,423	8,758
April	2,696	4,433	7,129	2,669	4,362	7,031
May	2,696	4,613	7,309	2,642	4,312	6,954
June	2,710	4,605	7,315	2,646	4,413	7,059
July	2,705	4,596	7,301	2,611	4,361	6,969
August	2,809	4,769	7,578	2,682	4,375	7,037
September	3,034	5,053	8,087	2,860	4,642	7,502
October	2,832	4,819	7,651	2,808	4,631	7,439
November	3,254	5,603	8,857	3,782	5,621	9,403
December	3,993	5,953	9,946	4,352	6,059	10,411
Rubber products:						
January	12,972	4,104	17,076	12,191	3,478	15,669
February	13,117	4,265	17,382	12,334	3,470	15,804
March	13,124	4,211	17,335	12,262	3,514	15,776
April	13,009	4,087	17,096	12,296	3,561	15,857
May	12,993	4,064	17,057	12,255	3,464	15,719
June	13,096	4,090	17,186	12,262	3,452	15,714
July	13,098	4,214	17,312	12,347	3,313	15,660
August	13,317	4,329	17,646	12,548	3,553	16,101
September	13,254	4,384	17,638	12,670	3,567	16,237
October	12,779	4,083	16,862	12,530	3,671	16,201
November	12,382	3,738	16,120	12,399	3,603	16,002
December	12,153	3,524	15,677	12,168	3,497	15,665
Leather products:						
January	16,421	12,664	29,085	15,536	11,712	27,248
February	16,845	13,058	29,903	15,738	11,995	27,733
March	16,833	13,209	30,142	15,782	12,028	27,810
April	16,719	13,194	29,913	15,479	11,656	27,135
May	16,465	12,885	29,350	15,218	11,411	26,629
June	16,253	12,608	28,861	15,251	11,244	26,495
July	16,158	12,450	28,608	15,254	11,294	26,548
August	16,205	12,628	28,833	15,367	11,543	26,910
September	16,021	12,503	28,524	15,139	11,331	26,470
October	15,681	11,993	27,674	14,817	11,003	25,820
November	15,725	12,102	27,827	14,847	11,119	25,966
December	15,415	11,626	27,041	14,646	10,749	25,395
Textile products except clothing:						
January	41,026	23,957	64,983	33,673	19,748	53,421
February	41,482	23,861	65,343	33,583	19,347	52,930
March	41,566	23,946	65,514	33,407	19,338	52,745
April	41,026	23,681	64,707	33,500	19,314	52,814
May	39,938	23,289	63,227	33,304	18,991	52,295
June	38,479	22,531	61,010	32,923	18,894	51,817
July	38,296	22,200	60,496	32,870	18,689	51,559
August	38,260	22,456	60,716	33,160	19,109	52,269
September	38,043	22,613	60,656	33,699	19,617	53,316
October	37,306	22,278	59,584	34,383	19,859	54,242
November	36,058	21,448	57,506	34,434	19,988	54,422
December	34,171	19,965	54,136	33,795	19,488	53,283
Clothing:						
January	24,545	59,161	83,706	22,692	54,800	77,492
February	25,136	61,213	86,349	23,309	56,739	80,048
March	25,226	61,642	86,868	23,520	57,257	80,777
April	24,734	60,892	85,626	23,011	56,357	79,368
May	23,896	59,207	83,103	22,191	54,287	76,478
June	23,892	57,525	81,417	22,161	53,131	75,292
July	24,497	55,971	80,468	22,389	51,406	73,795
August	24,717	57,975	82,692	23,232	55,073	78,305
September	24,586	60,053	84,639	23,320	56,576	79,896
October	23,852	58,698	82,550	22,750	55,886	78,636
November	22,997	56,630	79,627	21,977	54,292	76,269
December	22,293	52,899	75,192	21,694	50,823	72,617

TABLE 28. Production Workers Employed in the Manufacturing Industries by Months, Sex and Industrial Groups, 1953 and 1954 - Continued

Group and Month	1953			1954		
	Male	Female	Total	Male	Female	Total
Number						
Knitting mills:						
January	7,381	14,270	21,651	6,764	12,639	19,403
February	7,441	14,627	22,068	6,628	12,658	19,286
March	7,488	14,896	22,384	6,582	12,484	19,066
April	7,518	14,854	22,372	6,496	12,151	18,647
May	7,260	14,351	21,611	6,437	11,996	18,433
June	7,240	14,094	21,334	6,438	11,917	18,355
July	7,149	13,782	20,931	6,340	11,747	18,087
August	7,296	14,187	21,483	6,445	11,984	18,429
September	7,239	14,258	21,497	6,588	12,364	18,952
October	7,202	14,318	21,520	6,527	12,463	18,990
November	7,078	13,877	20,955	6,410	12,315	18,725
December	6,908	13,163	19,971	6,260	11,826	18,086
Wood products:						
January	94,867	5,370	100,237	88,243	4,982	93,225
February	97,940	5,502	103,442	91,260	5,023	96,283
March	102,102	5,579	107,681	95,594	5,123	100,717
April	105,393	5,545	110,938	97,061	5,154	102,215
May	114,160	5,710	119,870	105,240	5,192	110,432
June	118,083	5,725	123,808	109,982	5,294	115,276
July	114,675	5,668	120,343	109,702	5,266	114,968
August	111,343	5,721	117,064	105,799	5,350	111,149
September	105,614	5,607	111,221	101,922	5,245	107,168
October	98,276	5,458	103,734	97,270	5,224	102,494
November	91,562	5,239	96,801	92,311	5,120	97,431
December	88,556	5,040	93,596	89,524	4,997	94,521
Paper products:						
January	58,278	7,820	66,098	60,693	8,075	68,768
February	58,243	7,986	66,229	60,912	8,115	69,027
March	58,590	8,087	66,677	61,093	8,172	69,265
April	59,334	8,122	67,456	61,702	8,125	69,827
May	61,506	8,191	69,697	64,112	8,097	72,209
June	63,511	8,369	71,880	66,330	8,256	74,586
July	64,363	8,319	72,682	66,996	8,256	75,252
August	64,690	8,474	73,164	67,341	8,329	75,670
September	63,982	8,586	72,568	66,084	8,293	74,377
October	62,628	8,633	71,261	64,767	8,276	73,043
November	61,527	8,526	70,053	63,412	8,211	71,623
December	60,901	8,317	69,218	62,603	7,950	70,553
Printing, publishing and allied industries:						
January	31,264	8,651	39,915	32,456	8,777	41,233
February	31,394	8,393	39,787	32,396	8,539	40,935
March	31,540	8,410	39,950	32,467	8,492	40,959
April	31,661	8,478	40,139	32,655	8,480	41,135
May	31,778	8,446	40,224	32,786	8,390	41,176
June	32,015	8,666	40,681	33,002	8,748	41,750
July	32,249	8,790	41,039	33,063	8,815	41,878
August	32,054	8,665	40,719	32,787	8,736	41,523
September	32,232	8,866	41,098	32,958	8,900	41,858
October	32,418	9,159	41,577	33,036	9,041	42,077
November	32,580	9,190	41,770	33,084	9,066	42,150
December	32,363	8,877	41,240	33,012	8,831	41,843
Iron and steel products:						
January	143,505	7,342	150,847	132,182	7,133	139,315
February	143,645	7,400	151,045	131,771	7,189	138,960
March	143,290	7,440	150,730	131,233	7,209	138,442
April	142,986	7,484	150,470	129,450	7,136	136,586
May	142,600	7,615	150,215	129,933	7,073	137,006
June	144,371	7,656	152,027	131,154	7,011	138,165
July	143,880	7,534	151,394	129,371	6,960	136,331
August	142,629	7,619	150,248	126,720	6,790	133,510
September	142,273	7,462	149,735	126,346	6,844	133,190
October	139,538	7,496	147,036	122,314	6,838	129,152
November	137,147	7,399	144,546	119,725	6,608	126,333
December	132,972	7,176	140,148	120,054	6,410	126,464
Transportation equipment:						
January	124,659	4,068	128,727	119,456	4,215	123,671
February	127,671	4,269	131,940	119,545	4,197	123,742
March	130,850	4,425	135,275	119,092	4,072	123,164
April	130,926	4,533	135,459	117,576	3,915	121,491
May	130,894	4,547	135,441	110,416	3,821	114,237
June	128,001	4,490	132,491	103,960	3,498	107,458
July	126,551	4,462	131,013	99,020	2,910	101,930
August	123,225	4,061	127,286	90,810	2,781	93,591
September	121,832	4,016	125,848	89,069	2,781	91,850
October	119,767	3,861	123,628	92,682	3,199	95,881
November	117,877	3,952	121,829	88,138	3,314	91,452
December	119,175	3,971	123,146	88,582	3,308	91,890

TABLE 28. Production Workers Employed in the Manufacturing Industries by Months, Sex and Industrial Groups, 1953 and 1954 - Concluded

Group and month	1953			1954		
	Male	Female	Total	Male	Female	Total
Number						
Non ferrous metal products:						
January	37,916	3,179	41,095	36,447	2,859	39,306
February	38,056	3,254	41,310	36,235	2,840	39,075
March	38,100	3,306	41,406	36,411	2,840	39,251
April	38,224	3,297	41,521	36,341	2,775	39,116
May	38,479	3,257	41,736	36,708	2,690	39,398
June	38,769	3,175	41,944	37,047	2,685	39,732
July	38,749	3,223	41,972	37,759	2,866	40,625
August	38,819	3,338	42,157	38,077	2,938	41,015
September	38,871	3,438	42,309	37,912	3,018	40,930
October	38,580	3,474	42,054	37,723	3,019	40,742
November	38,274	3,406	41,680	37,592	2,936	40,528
December	37,560	3,181	40,741	37,296	2,745	40,041
Electrical apparatus and supplies:						
January	37,849	14,431	52,280	37,719	15,542	53,261
February	38,285	14,865	53,150	37,312	15,078	52,390
March	38,397	15,212	53,609	37,039	14,713	51,752
April	38,901	15,407	54,308	36,537	13,998	50,535
May	39,118	15,582	54,700	35,856	13,964	49,820
June	39,251	15,911	55,162	35,798	13,773	49,571
July	38,821	15,867	54,688	35,409	13,500	48,909
August	38,914	16,523	55,437	35,287	14,224	49,511
September	39,424	17,140	56,564	35,631	15,072	50,703
October	39,055	17,501	56,556	35,098	15,459	50,557
November	38,954	17,361	56,315	34,966	15,701	50,667
December	38,472	16,394	54,866	34,432	15,179	49,611
Non metallic mineral products:						
January	23,464	1,991	25,455	24,217	1,942	26,159
February	23,559	2,013	25,572	24,317	1,958	26,275
March	24,162	2,084	26,246	24,696	2,061	26,757
April	25,160	2,156	27,316	25,636	2,120	27,756
May	26,527	2,228	28,755	27,264	2,164	29,428
June	27,452	2,344	29,796	27,988	2,096	30,084
July	27,831	2,342	30,173	28,537	2,047	30,584
August	28,012	2,376	30,388	28,549	1,980	30,529
September	27,402	2,298	29,700	28,155	1,938	30,093
October	27,045	2,240	29,285	28,060	1,905	29,965
November	26,582	2,162	28,744	27,206	1,906	29,112
December	25,535	2,058	27,593	25,441	1,822	27,263
Products of petroleum and coal:						
January	11,097	66	11,163	11,216	54	11,270
February	11,053	69	11,122	11,242	55	11,297
March	11,090	74	11,164	11,135	59	11,194
April	11,316	77	11,393	11,287	63	11,350
May	11,626	68	11,694	11,516	64	11,580
June	11,764	65	11,829	11,686	66	11,752
July	11,792	69	11,861	11,803	65	11,868
August	11,750	72	11,822	11,752	70	11,822
September	11,538	71	11,609	11,579	68	11,647
October	11,335	65	11,400	11,265	64	11,329
November	11,240	61	11,301	11,238	62	11,300
December	11,117	63	11,180	11,191	58	11,249
Chemicals and allied products:						
January	25,443	5,459	30,902	27,482	5,889	33,371
February	25,402	5,645	31,047	27,583	6,027	33,610
March	25,662	5,840	31,502	27,672	6,091	33,763
April	26,032	5,781	31,813	27,799	6,079	33,878
May	26,706	5,840	32,546	28,098	5,939	34,037
June	27,059	5,911	32,970	27,964	6,039	34,003
July	27,304	5,910	33,214	27,813	6,011	33,824
August	27,490	6,060	33,550	27,738	6,119	33,857
September	27,696	6,278	33,974	27,564	6,115	33,679
October	27,692	6,235	33,927	27,413	6,128	33,541
November	27,646	6,212	33,858	27,264	6,071	33,335
December	27,230	6,058	33,288	26,980	5,831	32,811
Miscellaneous industries:						
January	14,220	8,661	22,881	14,407	8,480	22,887
February	14,372	8,847	23,219	14,426	8,598	23,024
March	14,647	9,250	23,897	14,580	8,808	23,388
April	14,969	9,400	24,369	14,514	8,801	23,315
May	15,162	9,554	24,716	14,548	8,691	23,239
June	15,337	9,595	24,932	14,607	8,558	23,165
July	15,339	9,443	24,782	14,343	8,413	22,756
August	15,614	9,744	25,358	14,725	8,771	23,496
September	15,851	10,044	25,895	14,869	9,134	24,003
October	15,936	10,246	26,184	14,956	9,304	24,260
November	15,708	9,909	25,617	14,768	9,160	23,928
December	15,212	9,133	24,345	14,386	8,369	22,755

Subsection 4. Hours Worked in Manufacturing Industries

Hours Worked by Production Workers.—From 1932, the first year for which figures on hours worked per week by production workers are available, to 1945, each firm was required to report the number of hours worked by all its production workers during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Table 29 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all production workers, the hours worked per week declined from 48.9 in 1932 to 47.2 in 1939, and reached 50.6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2.8 p.c. of male and 5.3 p.c. of female production workers working under 30 hours per week, in 1944 these percentages rose to 5.3 and 12.5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male production workers totalled 47.6 and for females 42.7.

The method of collecting statistics on hours worked was changed in 1946. Instead of collecting this information for one week in the month of highest employment which varied

from plant to plant, the last week of November was chosen for the base period. For 1948 and subsequent years the period was changed to the last week in October. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Section, Establishments employing 15 hands or over only are covered. The statistics for 1946 to 1954 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

On the above basis, the hours worked per week declined for all workers engaged in manufacturing. The hours of male production workers dropped from 44.9 in 1946 to 42.3 in 1954, female production workers from 40.0 to 38.5, male office employees from 42.0 to 39.0 and female office employees from 39.5 to 37.9.

Persons employed in 1950 and 1953 were classified on the basis of earnings per week instead of hours worked. For this reason the distribution of employees by hours worked per week is not available for these years. It is the intention in future to classify employees one year on the basis of hours worked, the second year on the basis of weekly earnings, while in the third year no break-down of either the hours worked or weekly earnings will be collected. Instead a more detailed break-down of salaried employees into (a) managerial and professional and (b) office workers will be requested.

Supervisory and office employees as a rule work shorter hours than production workers as the following figures for 1954 indicate.

	Production Workers	Supervisory and Office Employees
Both sexes.....	41.5	39.0
Male	42.3	39.4
Female	38.5	37.9

TABLE 29. Production Workers in Manufacturing, Working Specified Numbers of Hours per Week in the Month of Highest Employment, 1938-45¹

Note. Hours worked per week in 1932-37 are given at p. 396 of the 1942 edition of the Canada Year Book; in 1940 at p. 386 of the 1943-44 edition.

Hours Worked per Week	1938	1939	1942	1943	1944	1945
	p.c.					
All Production Workers:						
30 or less.....	4.1	3.4	4.3	6.2	7.4	7.4
31-43.....	16.9	14.6	8.6	10.7	12.7	16.2
44.....	14.3	13.8	7.7	7.4	9.5	12.1
45-47.....	11.3	10.9	7.0	8.3	9.1	10.8
48.....	20.7	22.2	21.4	20.5	20.6	21.4
49-50.....	10.6	11.2	9.2	9.6	9.8	9.8
51-54.....	6.7	7.9	12.9	12.5	10.8	8.4
55.....	3.5	4.1	5.6	5.2	4.4	3.2
56-64.....	10.4	10.4	16.9	14.6	11.8	7.6
65 or over.....	1.5	1.5	6.4	5.0	3.9	3.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week.....	46.7	47.2	50.2	48.8	47.5	46.2
Male Production Workers:						
30 or less.....	3.4	2.8	3.6	4.6	5.3	5.4
31-43.....	16.6	14.2	7.0	7.9	9.8	13.1
44.....	13.1	12.7	6.9	6.2	9.0	11.7
45-47.....	10.5	10.0	5.6	7.2	7.9	9.8
48.....	21.3	22.8	21.7	21.5	21.5	22.9
49-50.....	10.0	10.6	8.4	8.8	9.5	10.0
51-54.....	7.4	8.2	12.6	13.2	11.9	9.5
55.....	3.6	4.4	5.8	5.7	5.0	3.8
56-64.....	12.3	12.5	20.4	18.3	15.1	9.7
65 or over.....	1.8	1.8	8.0	6.6	5.0	4.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week.....	47.3	48.1	51.3	50.4	49.1	47.6
Female Production Workers:						
30 or less.....	6.7	5.3	6.2	10.0	12.5	12.3
31-43.....	17.9	15.8	13.0	17.6	20.1	23.8
44.....	18.3	17.8	9.9	10.3	10.8	13.2
45-47.....	14.2	13.9	11.1	11.2	12.2	13.2
48.....	18.8	20.4	20.8	18.2	18.4	17.7
49-50.....	12.6	13.2	11.5	11.6	10.5	9.1
51-54.....	4.5	6.6	13.5	10.7	8.2	5.7
55.....	3.1	3.5	4.9	4.0	2.9	1.9
56-64.....	3.5	3.2	7.2	5.3	3.4	2.4
65 or over.....	.4	.3	1.9	1.1	1.0	.7
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week.....	44.6	45.2	46.9	44.8	43.6	42.7

1. For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

TABLE 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October, 1946-52¹

Hours Worked per Week	1946 ²	1947 ²	1948	1949	1952
p.c.					
All Production Workers:					
30 or less	6.7	6.7	6.1	6.3	6.1
31-34	10.8	2.9	3.0	3.1	3.5
35-39	9.9	7.8	8.4	8.5	8.1
40	11.5	12.2	13.2	15.3	28.3
41-43	10.3	10.6	10.9	11.1	11.9
44	18.2	8.5	9.3	8.6	6.6
45-47	13.7	18.7	18.9	18.8	13.9
48	6.6	12.9	11.8	10.7	7.6
49-50	5.4	6.5	6.1	5.7	5.0
51-53	5.4	4.3	4.0	3.9	3.6
54	6.0	1.3	1.3	1.2	1.3
55-64	6.0	6.5	6.0	5.9	5.5
65 or over	0.9	1.1	1.0	0.9	1.0
	100.0	100.0	100.0	100.0	100.0
Average hours per week	43.7	43.7	43.6	43.3	42.6
Male Production Workers:					
30 or less	4.7	4.6	4.4	4.3	4.6
31-34	8.0	2.1	2.2	2.3	2.9
35-39	9.6	6.1	6.4	6.7	6.6
40	10.6	11.9	12.9	15.5	27.3
41-43	10.7	9.2	9.9	10.4	11.3
44	18.8	8.7	9.7	8.8	6.4
45-47	15.8	19.7	19.4	19.2	13.9
48	7.1	15.0	13.9	12.5	8.5
49-50	6.3	7.0	6.6	6.3	5.4
51-53	6.3	4.9	4.6	4.4	3.9
54	7.3	1.6	1.5	1.3	1.5
55-64	7.3	7.8	7.3	7.1	6.5
65 or over	1.1	1.4	1.2	1.2	1.2
	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.9	44.9	44.7	44.4	43.4
Female Production Workers:					
30 or less	13.1	13.7	12.2	12.8	11.9
31-34	19.7	5.5	5.6	5.8	5.9
35-39	10.8	13.6	15.0	14.6	13.5
40	14.6	13.4	14.1	14.8	20.9
41-43	14.6	15.0	14.5	13.3	13.9
44	8.9	7.8	7.9	7.9	7.4
45-47	16.1	15.9	17.4	17.5	14.2
48	7.1	5.7	5.1	4.5	3.9
49-50	5.0	4.9	4.1	3.9	3.3
51-53	2.5	2.0	2.0	2.3	2.4
54	2.1	0.5	0.5	0.5	0.6
55-64	2.1	1.9	1.5	2.0	1.9
65 or over	0.1	0.1	0.1	0.1	0.2
	100.0	100.0	100.0	100.0	100.0
Average hours per week	40.0	39.7	39.8	39.8	39.6

1. Includes only establishments employing 15 hands or over. Information not collected in 1950, 1951 and 1953.
2. Last week in November.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-54¹
(Hours worked by wage-earners from 1938 to 1945 are given on page 53 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and Year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
Number						
Canada:						
1946	43.7	44.9	40.0	41.1	42.0	39.5
1947	43.7	44.9	39.7	40.4	41.2	38.9
1948	43.6	44.7	39.8	40.3	41.1	38.8
1949	43.3	44.4	39.8	40.1	40.8	38.6
1950	43.5	44.6	40.0	39.7	40.2	38.4
1951	42.0	43.0	37.9	39.5	40.0	38.2
1952	42.6	43.4	39.6	39.4	39.9	38.0
1953	41.7	42.6	38.5	39.0	39.5	37.9
1954	41.5	42.3	38.5	39.0	39.4	37.9
Newfoundland:						
1950	46.9	47.7	41.9	42.6	43.5	39.9
1951	45.5	46.1	40.5	43.0	43.3	42.0
1952	44.1	44.6	40.2	42.7	43.0	41.3
1953	43.2	43.8	37.4	41.8	42.0	41.0
1954	42.8	43.3	38.3	40.7	40.9	39.9

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-54¹ - Continued

Province and Year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	Number					
Prince Edward Island:						
1946	46.3	46.9	45.0	—	—	—
1947	45.3	47.0	40.3	—	—	—
1948	45.8	46.7	42.6	—	—	—
1949	47.7	48.1	46.8	—	—	—
1950	44.0	46.0	39.2	41.0	41.0	41.1
1951	45.9	46.4	44.4	43.4	44.3	41.3
1952	45.2	46.1	40.9	41.3	41.7	40.6
1953	45.8	46.2	44.6	40.5	41.0	39.7
1954	45.2	45.8	43.0	40.5	40.8	39.7
Nova Scotia:						
1946	45.7	46.0	43.6	43.1	44.1	40.7
1947	45.8	46.2	43.4	41.9	42.6	40.0
1948	45.8	46.0	44.5	41.7	42.4	39.9
1949	44.5	44.8	42.6	40.5	40.9	39.6
1950	44.8	45.0	43.7	40.8	41.0	40.1
1951	43.3	43.4	42.9	41.7	42.3	40.2
1952	42.4	42.4	42.5	42.3	43.2	39.8
1953	41.6	41.7	41.2	40.5	40.9	39.2
1954	41.1	41.4	39.3	40.8	41.6	38.6
New Brunswick:						
1946	46.0	46.7	42.9	43.2	44.3	40.9
1947	45.4	46.6	40.3	43.6	44.6	41.2
1948	46.1	47.0	41.9	42.7	43.8	40.4
1949	45.4	46.9	41.3	42.8	43.8	40.6
1950	45.0	46.3	39.3	42.0	43.0	39.6
1951	44.3	45.5	39.1	41.8	42.6	40.1
1952	44.1	44.8	40.8	41.5	42.2	39.5
1953	42.7	43.8	37.0	40.9	41.1	40.6
1954	42.6	43.3	37.6	40.3	40.9	38.9
Quebec:						
1946	45.4	47.1	41.2	41.5	42.5	39.6
1947	45.4	47.1	40.7	40.6	41.3	39.1
1948	45.2	46.8	40.9	40.6	41.4	39.0
1949	44.5	46.3	40.2	40.4	41.1	38.8
1950	44.9	46.7	40.6	39.8	40.5	38.4
1951	43.0	44.8	37.8	39.7	40.3	38.1
1952	44.0	45.5	40.1	39.5	40.0	38.2
1953	42.8	44.4	38.5	39.2	39.7	37.9
1954	42.3	43.7	38.7	39.0	39.4	37.8
Ontario:						
1946	42.8	44.0	38.8	40.5	41.3	39.2
1947	43.0	44.2	38.8	40.0	40.8	38.6
1948	42.9	43.9	38.9	39.8	40.6	38.4
1949	42.8	43.8	39.4	39.7	40.4	38.3
1950	43.0	44.0	39.5	39.3	39.8	38.1
1951	41.6	42.4	37.9	39.0	39.5	37.9
1952	42.1	42.8	39.3	39.0	39.6	37.7
1953	41.4	42.0	38.7	38.7	39.2	37.6
1954	41.2	41.8	38.6	38.8	39.2	37.7
Manitoba:						
1946	42.8	43.8	39.6	42.7	43.3	41.1
1947	43.4	44.5	39.7	41.7	42.2	40.4
1948	43.1	44.1	39.6	41.8	42.5	40.4
1949	43.4	44.5	39.7	41.3	41.9	39.9
1950	43.6	44.6	40.0	40.9	41.3	39.8
1951	41.6	42.4	38.4	40.3	40.5	39.6
1952	41.6	42.2	39.7	39.9	40.4	38.5
1953	40.9	41.7	37.9	39.9	40.2	38.8
1954	41.2	41.9	38.7	39.3	39.7	38.0
Saskatchewan:						
1946	44.0	44.3	41.2	42.9	43.7	41.3
1947	43.3	43.8	40.3	42.1	43.0	41.0
1948	43.0	43.6	39.0	41.9	42.4	41.1
1949	42.4	42.9	39.2	42.2	42.7	41.1
1950	42.4	42.8	39.1	42.1	42.5	41.3
1951	41.4	41.8	38.6	41.3	41.6	40.9
1952	41.4	41.8	38.9	41.5	42.0	40.3
1953	41.6	41.6	37.8	40.7	41.3	39.4
1954	41.5	42.3	35.8	40.5	40.6	40.1

1. Prior to 1946 the figures refer to the week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1948 to 1954 the last week in October for establishments employing 15 hands and over only.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-54¹ - Concluded

Province and Year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	Number					
Alberta:						
1946	43.2	43.5	41.6	42.9	43.6	41.5
1947	43.7	44.1	41.8	42.4	43.0	41.0
1948	43.3	43.8	40.7	42.5	43.2	40.7
1949	43.5	43.9	40.7	42.2	42.8	40.6
1950	42.6	43.0	39.7	41.3	41.7	39.8
1951	41.3	41.6	38.6	41.3	41.6	40.3
1952	41.4	42.0	38.2	40.5	40.9	39.4
1953	41.2	41.7	38.1	40.0	40.4	38.8
1954	41.4	42.1	36.6	40.2	40.5	39.2
British Columbia:						
1946	41.2	41.5	39.2	41.9	42.4	40.6
1947	40.4	40.4	38.4	40.6	41.0	39.7
1948	40.3	40.6	38.0	40.6	41.0	39.5
1949	40.1	40.5	37.2	40.4	40.7	39.6
1950	40.2	40.5	37.8	39.9	40.2	39.0
1951	39.1	39.5	35.9	40.0	40.2	39.1
1952	39.3	39.7	36.2	39.6	40.0	38.3
1953	39.5	39.8	36.4	39.4	39.7	38.4
1954	39.6	40.0	35.6	39.3	39.7	38.2

1. Prior to 1946 the figures refer to the week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1948 to 1954 the last week in October for establishments employing 15 hands and over only.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-54

Group and year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	Number					
Foods and beverages:						
1946	43.9	43.7	38.8	42.2	43.2	40.3
1947	44.1	46.1	38.6	41.2	42.0	39.7
1948	44.0	45.9	38.8	41.4	42.4	39.4
1949	44.3	46.2	39.4	41.2	42.1	39.4
1950	43.8	45.7	39.0	40.9	41.5	39.3
1951	43.4	45.0	39.0	40.5	41.1	39.1
1952	43.1	44.7	39.1	40.5	41.1	38.7
1953	42.6	44.1	38.8	40.0	40.6	38.4
1954	41.8	43.3	37.9	39.7	40.2	38.4
Tobacco and tobacco products:						
1946	42.9	45.6	41.4	41.3	42.1	40.4
1947	42.1	44.8	40.6	40.4	41.1	39.2
1948	42.5	45.0	41.2	40.2	40.8	39.3
1949	43.6	45.6	42.6	40.0	40.5	39.2
1950	41.5	43.0	40.7	38.4	38.6	37.9
1951	41.5	43.8	40.0	37.3	37.5	36.8
1952	40.8	42.6	39.7	37.5	37.7	37.2
1953	40.5	41.8	39.7	37.3	37.4	37.2
1954	40.5	42.1	39.5	37.6	37.8	37.2
Rubber products:						
1946	44.8	45.6	42.3	40.4	40.9	39.2
1947	43.7	44.3	41.8	39.3	39.7	38.4
1948	43.4	44.3	40.8	39.2	39.7	38.2
1949	42.3	42.8	40.9	39.2	39.7	38.2
1950	43.6	44.2	41.8	39.6	40.1	38.5
1951	41.4	42.0	39.5	38.3	38.4	38.0
1952	42.3	42.8	40.6	38.7	39.1	37.9
1953	41.4	42.3	38.6	38.9	39.1	38.2
1954	41.6	42.0	40.0	39.1	39.4	38.2
Leather products:						
1946	42.5	43.9	40.6	43.1	44.5	40.3
1947	41.0	42.2	39.2	41.9	43.2	39.1
1948	41.0	42.0	39.5	41.4	42.5	39.2
1949	40.1	41.3	38.4	41.5	42.6	39.2
1950	40.4	41.8	38.6	41.2	42.2	39.2
1951	37.6	38.7	36.0	40.2	41.2	38.1
1952	41.0	42.2	39.4	40.4	41.2	38.4
1953	38.5	39.9	36.7	39.8	40.6	37.9
1954	37.8	38.7	36.5	39.6	40.5	37.9

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-54 - Continued

Group and year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	Number					
Textile products (except clothing):						
1946	43.8	46.6	41.3	41.5	42.6	39.4
1947	44.5	46.5	41.6	41.2	42.1	39.4
1948	44.4	46.4	41.5	41.0	42.1	39.2
1949	44.6	46.4	41.8	41.0	41.9	39.2
1950	44.7	46.3	42.1	40.2	40.9	38.7
1951	40.4	42.0	37.7	39.8	40.5	38.4
1952	43.5	44.7	41.2	39.4	40.0	38.3
1953	41.1	42.3	38.9	39.7	40.5	38.1
1954	43.0	44.3	40.6	39.3	40.0	38.0
Clothing (textile and fur):						
1946	41.0	44.8	38.7	41.5	42.7	39.8
1947	39.7	42.9	38.4	40.8	42.0	39.2
1948	40.1	42.6	39.0	40.9	42.2	39.4
1949	39.2	41.6	38.2	40.6	41.7	39.1
1950	40.1	42.6	39.0	40.0	40.9	38.7
1951	36.7	38.8	35.8	39.5	40.4	38.3
1952	39.9	42.5	38.8	39.5	40.3	38.4
1953	38.2	40.6	37.3	39.6	40.6	38.2
1954	38.4	40.5	37.5	39.4	40.4	38.0
Wood products:						
1946	45.1	45.4	41.3	43.7	45.2	40.2
1947	44.0	44.2	40.4	42.6	43.8	39.6
1948	44.0	44.2	40.8	42.4	43.6	39.3
1949	44.1	44.3	40.6	42.4	43.5	39.4
1950	44.1	44.3	41.0	41.7	42.6	39.2
1951	42.9	43.0	40.6	41.5	42.5	38.7
1952	43.8	44.0	41.1	41.5	42.6	38.4
1953	43.8	44.0	40.4	41.2	42.1	38.5
1954	43.2	43.4	40.2	40.9	41.8	38.2
Paper products:						
1946	47.1	48.2	41.0	40.9	41.6	39.4
1947	47.2	48.1	41.4	39.9	40.4	38.6
1948	47.2	48.0	41.3	40.2	40.7	38.7
1949	47.1	47.9	41.9	39.9	40.4	38.4
1950	47.5	48.3	42.1	39.1	39.6	37.8
1951	46.5	47.2	40.9	38.9	39.3	38.0
1952	45.1	45.5	41.6	38.4	38.7	37.4
1953	43.6	44.0	40.0	38.0	38.3	37.1
1954	42.7	43.1	39.2	37.7	37.9	37.0
Printing, publishing and allied industries:						
1946	42.0	43.3	38.5	39.9	40.6	39.0
1947	41.1	42.2	38.1	39.5	40.0	38.7
1948	40.9	42.0	37.8	39.0	39.4	38.3
1949	41.0	41.8	38.3	38.7	39.2	37.8
1950	40.4	41.2	37.9	38.2	38.3	38.0
1951	40.0	40.6	38.0	38.2	38.5	37.8
1952	40.0	40.6	38.0	37.9	38.0	37.6
1953	40.0	40.7	37.9	37.3	37.4	37.0
1954	40.2	40.7	38.4	37.7	37.9	37.3
Iron and steel products:						
1946	44.8	45.0	41.8	40.9	41.5	39.3
1947	45.1	45.3	41.6	40.2	40.8	38.6
1948	44.8	45.0	41.6	40.1	40.7	38.6
1949	43.6	43.7	41.5	39.8	40.3	38.4
1950	44.0	44.1	41.4	39.5	39.9	38.3
1951	42.5	42.7	39.8	39.1	39.6	37.9
1952	42.8	42.9	40.1	39.1	39.5	38.0
1953	42.1	42.2	39.6	38.9	39.3	37.6
1954	41.6	41.7	38.9	38.9	39.2	37.8
Transportation equipment:						
1946	42.3	42.4	40.3	42.2	42.8	40.5
1947	43.6	43.7	40.9	41.1	41.6	39.7
1948	43.2	43.2	40.7	41.6	42.1	40.2
1949	42.9	43.0	39.6	41.5	41.9	40.1
1950	43.8	43.9	40.2	41.4	41.8	39.8
1951	42.1	42.2	38.7	41.0	41.3	39.9
1952	42.3	42.4	38.5	41.7	42.5	39.2
1953	41.6	41.8	38.1	39.9	40.2	38.8
1954	41.3	41.4	38.4	40.3	40.7	38.8

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-54 - Concluded

Group and year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	Number					
Non-ferrous metal products:						
1946	44.0	44.5	40.9	41.6	42.4	40.1
1947	44.1	44.6	40.3	40.9	41.6	39.2
1948	43.9	44.3	40.7	41.0	41.7	39.1
1949	44.4	44.6	41.8	40.9	41.8	38.8
1950	44.2	44.5	41.5	39.9	40.6	38.3
1951	41.8	42.0	40.0	39.6	40.2	38.1
1952	42.1	42.2	41.0	39.0	39.4	37.8
1953	41.5	41.6	39.8	39.4	39.9	37.8
1954	41.7	41.9	40.0	38.8	39.2	37.5
Electrical apparatus and supplies:						
1946	41.9	42.7	40.3	39.6	40.1	38.6
1947	42.6	43.5	40.7	39.9	40.6	38.6
1948	41.8	42.6	39.5	39.0	39.3	38.3
1949	42.1	42.8	40.3	39.0	39.3	38.3
1950	42.4	43.3	40.2	38.6	38.8	38.0
1951	41.5	42.5	38.7	38.8	39.3	37.6
1952	42.1	42.8	40.1	38.5	38.8	37.6
1953	41.8	42.6	40.1	38.6	38.8	37.9
1954	40.9	41.5	39.5	38.8	39.1	38.1
Non-metallic mineral products:						
1946	46.1	46.6	42.0	41.4	42.3	39.2
1947	46.4	46.8	43.5	40.9	41.3	40.0
1948	46.4	46.8	42.8	40.5	41.3	38.2
1949	46.0	46.4	41.8	39.9	40.8	37.8
1950	46.4	46.8	41.5	39.7	40.3	38.0
1951	45.0	45.3	40.2	39.3	39.9	37.6
1952	45.1	45.5	40.2	38.4	39.0	36.8
1953	44.4	44.7	40.9	39.2	39.9	37.1
1954	44.7	45.0	40.5	39.0	39.6	37.2
Products of petroleum and coal:						
1946	41.9	42.0	—	39.5	39.9	38.2
1947	42.1	42.1	—	38.8	39.1	37.3
1948	42.1	42.1	—	38.2	38.5	37.1
1949	41.9	41.9	—	38.0	38.6	36.1
1950	41.3	41.3	—	36.7	37.4	34.1
1951	41.4	41.4	—	38.4	38.7	37.1
1952	41.5	41.5	—	36.7	37.0	35.9
1953	41.6	41.7	—	37.2	37.5	36.2
1954	41.6	41.7	—	36.8	37.0	36.1
Chemicals and allied products:						
1946	44.4	45.3	41.0	39.5	40.0	38.8
1947	43.8	44.7	40.2	39.0	39.5	38.3
1948	44.0	44.9	40.4	38.8	39.3	38.0
1949	44.3	45.1	40.8	38.7	39.2	37.8
1950	43.4	44.1	40.1	38.3	38.8	37.5
1951	42.7	43.3	39.6	38.6	38.9	38.0
1952	42.3	42.8	39.6	38.4	38.7	37.9
1953	42.3	42.9	39.5	38.3	38.5	37.7
1954	41.6	42.1	39.0	38.0	38.2	37.6
Miscellaneous industries:						
1946	42.9	43.9	41.0	43.1	41.9	38.7
1947	42.3	43.7	39.7	41.9	41.2	38.6
1948	42.3	43.6	40.4	41.7	41.2	38.2
1949	42.8	44.2	40.7	40.5	41.1	37.6
1950	42.8	44.3	40.6	40.0	41.0	38.4
1951	41.8	43.3	39.5	38.9	40.1	37.0
1952	42.4	44.3	39.8	38.3	39.5	35.9
1953	42.2	43.7	40.0	38.9	39.4	37.8
1954	42.1	43.1	40.3	38.8	39.6	37.5

Subsection 5. Earnings in Manufacturing Industries

In 1954, the 38,028 establishments covered, employed 278,936 supervisory and office employees and 989,030 production workers, a total of 1,267,966 persons. Out of every 1,000 persons employed in manufacturing, 220 were classed as office employees and 780 as production workers; the former earned 28 p.c. and the latter 72 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of that paid to office workers, in 1943 the percentage rose to 76, they declined to 69 in 1947 and rose to 74 in 1954. This tendency towards equalization was due, in part, to the controls adopted

by the Government during the war years which tended to stabilize earnings of office workers more so than the earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay.

Ontario has a larger proportion of females among its office employees than the other provinces. The same situation prevails in Quebec with regard to production workers, due, no doubt, to the textile industries of the Province. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female production workers engaged in the manufacturing industries of Canada in 1955, 41 p.c. were found in the textile and clothing groups.

Average earnings of office workers in 1954 amounted to \$3,854 which was \$2,108 or 121 p.c. higher than in 1939. Office employees in Ontario with \$4,030 were the highest paid. Those in Quebec were second with \$3,827, British Columbia third with \$3,796, and Manitoba fourth with \$3,525. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salary in the provinces in which these cities are located.

Average earnings of production workers in 1954 amounted to \$2,853 which was \$1,878 or 193 p.c. higher than in 1939.

The manufacturing industries of British Columbia paid the highest average earnings of \$3,221. Newfoundland with \$3,147 was in second place, followed by Ontario with \$3,026, Saskatchewan \$2,900, Alberta \$2,870, Manitoba \$2,647, Quebec \$2,614, etc. The high figure shown for Yukon and Northwest Territories in regard to average earnings of production workers is due to the unusual conditions under which industry is carried on in these regions, and is not representative. Statistics of the distribution of employees by provinces and groups as well as average annual earnings are given in Table 33.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1954 with Totals for Significant Years, 1917-53

Year	Supervisory and office employees ²				Production workers			
	Male		Female		Male		Female	
	No.	No.	\$	\$	No.	No.	\$	\$
1917		64,918	85,353,667	1,315	541,605		412,448,177	762
1920		76,334	141,837,361	1,811	520,559		575,656,515	1,106
1922		71,586	129,836,831	1,814	384,670		359,560,399	935
1924	54,379	15,641	130,344,822	1,862	322,719	94,871	404,122,853	968
1926	58,245	17,092	142,353,900	1,890	374,244	109,580	483,328,342	999
1929	67,731	21,110	175,553,710	1,976	454,768	122,922	601,737,507	1,042
1930	64,161	20,550	169,992,216	2,007	416,790	113,195	527,563,162	995
1931	71,198	20,293	172,289,095	1,883	337,636	99,513	415,277,895	950
1932	68,264	18,786	151,355,790	1,739	288,817	92,966	322,245,926	844
1933	67,875	18,761	139,317,946	1,608	287,266	94,756	296,929,878	777
1934	71,963	20,132	145,760,126	1,615	326,598	101,119	355,090,929	830
1935	76,213	21,717	160,455,080	1,638	353,790	104,944	399,012,697	870
1936	81,409	23,008	173,198,057	1,659	379,977	109,965	438,873,377	896
1937	91,092	24,735	195,983,475	1,692	427,285	117,339	525,743,562	965
1938	95,270	25,319	207,386,381	1,719	409,172	112,255	498,282,208	956
1939	98,165	26,607	217,839,334	1,746	415,488	117,854	519,971,819	975
1940	104,267	31,493	241,599,761	1,780	491,439	135,045	679,273,104	1,084
1941	117,251	41,693	286,336,861	1,801	626,825	175,409	978,525,782	1,220
1942	123,125	54,062	334,870,793	1,890	732,319	242,585	1,347,934,049	1,383
1943	128,679	64,516	338,857,505	2,013	762,854	285,019	1,598,434,879	1,525
1944	126,858	65,700	418,065,594	2,171	744,635	285,689	1,611,555,776	1,564
1945	128,601	62,106	417,057,619	2,191	680,620	248,045	1,427,915,830	1,538
1946	127,002	54,004	410,875,776	2,270	662,699	214,451	1,329,811,478	1,516
1947	135,248	55,852	474,693,800	2,484	721,407	219,243	1,611,232,166	1,713
1948	141,038	57,192	532,594,859	2,687	738,721	218,770	1,876,773,231	1,980
1949	157,516	64,035	628,427,937	2,836	732,457	217,199	1,963,432,720	2,067
1950	164,475	66,378	692,633,349	2,938	735,477	215,767	2,078,634,066	2,183
1951	176,943	70,844	816,714,604	3,296	792,934	218,194	2,459,566,313	2,434
1952	188,235	74,792	923,905,251	3,513	810,060	215,295	2,713,714,909	2,647
1953	195,843	78,382	1,016,679,409	3,707	828,363	224,863	2,940,338,939	2,792
Provinces, 1954								
Newfoundland	1,896	338	6,001,893	2,687	6,752	906	24,099,293	3,147
Prince Edward Island	341	105	887,343	1,990	946	382	2,112,868	1,591
Nova Scotia	3,827	1,032	13,899,172	2,861	21,540	3,212	57,841,068	2,337
New Brunswick	2,638	865	10,916,819	3,117	15,673	2,931	44,192,609	2,375
Quebec	63,381	24,165	335,074,103	3,827	246,557	89,992	879,587,297	2,614
Ontario	98,559	43,279	571,549,485	4,030	365,635	91,441	1,383,217,903	3,026
Manitoba	6,074	2,297	29,504,735	3,525	25,514	7,339	86,950,151	2,647
Saskatchewan	2,371	832	9,369,753	2,925	7,334	989	24,140,080	2,900
Alberta	5,878	1,894	25,181,006	3,240	21,640	3,353	71,728,883	2,870
British Columbia	14,754	4,356	72,549,043	3,796	68,243	8,514	247,253,871	3,221
Yukon and Northwest Territories	44	10	167,863	3,109	121	16	462,453	3,276
Canada totals, 1954	199,763	79,173	1,075,101,215	3,854	779,955	209,075	2,821,586,476	2,853
Industrial groups, 1954								
Foods and beverages	25,396	10,339	124,200,904	3,476	106,476	35,672	352,857,824	2,482
Tobacco and tobacco products	779	444	5,583,075	4,565	3,210	5,036	22,285,864	2,703
Rubber products	3,576	1,453	20,002,690	3,977	12,355	3,510	47,473,715	2,992
Leather products	2,804	1,257	14,918,329	3,674	15,266	11,421	52,243,428	1,958
Textiles (except clothing)	7,697	3,866	45,684,342	3,951	33,636	19,382	124,511,798	2,348
Knitting mills	1,578	1,287	10,373,820	3,621	6,512	12,245	37,204,015	1,983
Clothing (textile and fur)	7,664	4,426	45,895,052	3,796	22,774	54,829	145,599,823	1,876
Wood products	21,488	3,360	64,532,715	2,597	98,899	5,184	258,589,499	2,484
Paper products	11,083	4,314	76,210,610	4,950	63,795	8,178	255,345,416	3,548
Printing, publishing and allied industries	16,504	10,467	87,884,805	3,258	32,880	6,763	132,391,184	3,179
Iron and steel products	29,307	9,837	164,855,267	4,212	127,607	8,947	440,671,262	3,275
Transportation equipment	20,575	6,149	117,350,947	4,391	103,186	3,822	361,728,803	3,390
Non-ferrous metal products	7,855	2,634	45,478,188	4,336	37,143	2,562	136,713,132	3,417
Electrical apparatus and supplies	17,140	7,312	99,068,568	4,052	35,934	14,687	150,441,035	3,150
Non-metallic mineral products	4,934	1,625	25,266,739	3,852	26,877	1,993	89,582,340	3,125
Products of petroleum and coal	4,522	1,571	25,855,036	4,265	11,402	64	43,696,689	3,811
Chemicals and allied products	11,824	6,155	73,411,733	4,083	27,603	6,021	103,900,227	3,090
Miscellaneous industries	5,037	2,677	28,398,396	3,681	14,598	8,759	57,350,422	2,455

1. The averages of the number of production workers and earnings for the years 1931 to 1954 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years — as for the earliest — represent the earnings for complete man-years of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

2. The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were required to report themselves as production workers. In 1931 and subsequent years, however, all such proprietors reported themselves as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all.

Average Annual Earnings in the Forty Leading Industries.—In 1954 there were six industries paying office workers \$4,500 or over, as compared with three in 1952. Indicative of the rapidly changing pattern of remuneration in manufacturing is the fact that in 1945, the last year of the war, no industry paid office workers annual salaries of over \$3,000. Highest average earnings in that year were \$2,935 reported by the brewing industry. Highest average earnings in 1954, amounting to \$5,502 were received by the office and supervisory employees of the pulp and paper industry which was also in first place in 1953. Other industries paying \$4,500 or more, in descending order, were as follows: breweries \$5,362, printing and publishing \$4,824, motor vehicles \$4,821, primary iron and steel \$4,807, and bridge building and structural steel \$4,707. In nineteen other industries they ranged between \$4,000 and \$4,500, in eleven they were between \$3,000 and \$4,000, while in the remaining four they were below \$3,000. Sash, door and planing mills with \$2,949, bread and other bakery products \$2,896, butter and cheese \$2,582 and sawmills \$1,872 were the four industries in this category. Average salaries in the forty leading industries totalled \$3,935 as compared with \$3,683 for the smaller industries. The lower average is due in part to a higher proportion of female office employees in the smaller industries. In the forty leading industries 26 p.c. of the office employees were female while in the smaller industries 33 p.c. were in this category.

The increase in average earnings of production workers since 1945 paralleled that of office and supervisory employees. Whereas in 1945 there were only four industries averaging over

\$2,000, in 1954 the number jumped to thirty-six. In 1945 the highest annual earnings, amounting to \$2,365, were paid by the motor vehicle industry, while in 1954 the highest earnings which totalled \$4,053 were paid by the petroleum products industry which has been in first place for a number of years. The highest earnings are usually paid by industries in which the proportion of skilled workers is high, and the proportion of female workers is low. There were eleven industries in 1954 with average annual earnings of \$3,500 and over. These were: petroleum products \$4,053, pulp and paper \$3,896, non-ferrous metal smelting and refining \$3,770, acids, alkalis and salts \$3,742, aircraft and parts \$3,692, bridge building and structural steel \$3,585, primary iron and steel \$3,581, breweries \$3,537, boilers, tanks and platework \$3,530, heavy electrical machinery \$3,521, and motor vehicles \$3,504. In twelve other industries average annual earnings ranged between \$3,000 and \$3,500, in nine they were between \$2,500 and \$3,000, in four they were between \$2,000 and \$2,500, while in the remaining four they were below \$2,000. This latter group includes industries made up of a large number of small establishments and in which the proportion of female workers is high. Men's factory clothing, women's factory clothing, leather footwear and fruit and vegetable preparations are the industries included in this group. Average annual earnings of production workers in the forty leading industries amounted to \$2,995 as compared with \$2,535 for the smaller industries. The lower average for the smaller industries is due mainly to a higher proportion of female workers. Employment by sex, and average annual earnings in the forty leading industries are given in Table 34.

TABLE 34. Annual Earnings in the Forty Leading Industries, 1954

Note: Industries ranked according to the aggregate salaries and wages paid

No.	Industry	Supervisory and office employees				Production workers			
		Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
		No.	No.	\$	\$	No.	No.	\$	\$
1	Pulp and paper	7,361	2,328	53,304,859	5,502	50,309	839	199,293,524	3,896
2	Sawmills	11,713	826	23,468,345	1,872	44,048	423	116,103,186	2,611
3	Aircraft and parts	8,080	2,696	46,068,342	4,275	23,560	759	89,795,148	3,692
4	Primary iron and steel	3,526	940	21,487,572	4,807	24,205	190	87,349,858	3,581
5	Motor vehicles	4,991	1,440	31,003,977	4,821	21,186	232	75,058,462	3,504
6	Non-ferrous metal smelting and refining	3,604	578	20,171,958	4,824	21,817	49	82,424,012	3,770
7	Printing and publishing	8,414	4,876	45,364,930	3,413	14,063	2,048	55,109,697	3,421
8	Railway rolling stock	2,241	323	11,502,181	4,486	26,537	113	85,360,263	3,203
9	Bread and other bakery products	3,793	1,301	14,749,036	2,896	21,905	6,884	69,055,826	2,399
10	Machinery, heavy electrical	5,490	1,930	30,991,973	4,177	12,029	2,771	52,116,506	3,521
11	Miscellaneous electrical apparatus	4,932	2,133	29,500,244	4,176	11,781	4,778	52,752,334	3,186
12	Machinery, industrial	4,970	1,914	28,385,901	4,123	15,517	445	52,103,745	3,264
13	Slaughtering and meat packing	3,901	1,303	21,919,954	4,212	14,586	3,209	56,779,136	3,191
14	Furniture	4,072	1,202	18,239,906	3,458	22,644	1,958	59,365,650	2,413
15	Printing and bookbinding	4,174	1,970	21,853,786	3,557	12,879	5,184	50,358,874	2,788
16	Clothing, men's factory	2,651	1,549	15,842,107	3,772	8,701	18,985	51,736,607	1,869
17	Rubber goods, including footwear	3,576	1,453	20,002,690	3,977	12,355	3,510	47,473,715	2,992
18	Motor vehicle parts	2,717	973	16,437,344	4,455	12,716	1,957	49,103,099	3,346
19	Ship building	1,987	547	10,065,754	3,972	16,710	112	55,190,789	3,281
20	Clothing, women's factory	2,107	1,494	14,638,167	4,065	5,820	17,922	46,810,261	1,972
21	Sheet metal products	2,826	1,022	16,152,834	4,198	12,560	1,641	45,291,941	3,189
22	Radio and television sets and parts	4,558	2,282	26,288,104	3,843	5,698	5,482	30,104,134	2,693
23	Butter and cheese	3,273	1,681	12,793,387	2,582	14,784	861	42,228,439	2,699
24	Petroleum products	3,485	1,156	20,557,336	4,430	7,780	55	31,758,872	4,053
25	Cotton yarn and cloth	1,564	882	8,965,108	3,665	11,431	5,988	40,482,187	2,324
26	Castings, iron	1,600	593	9,213,915	4,202	11,331	224	38,321,382	3,316
27	Sash, door and planing mills	3,291	600	11,473,058	2,949	15,340	155	35,925,069	2,318
28	Miscellaneous, chemical products	2,755	1,163	15,996,177	4,083	7,637	1,928	27,453,200	2,870
29	Hardware, tools and cutlery	1,996	925	11,710,472	4,009	8,879	1,464	30,497,057	2,949
30	Footwear, leather	1,671	799	8,933,162	3,617	9,497	8,322	33,244,019	1,866
31	Bridge building and structural steel	2,320	498	13,264,243	4,707	8,023	40	28,903,739	3,585
32	Miscellaneous iron and steel products	2,066	593	10,710,462	4,028	8,571	921	30,219,880	3,184
33	Boxes and bags, paper	1,661	820	10,655,823	4,295	6,987	4,415	29,976,600	2,629
34	Synthetic textiles and silk	2,409	1,069	13,837,299	3,978	7,765	2,419	26,790,844	2,631
35	Agricultural implements	2,289	567	11,690,306	4,093	8,856	93	28,534,665	3,189
36	Fruit and vegetable preparations	1,729	957	9,902,293	3,687	6,784	6,345	24,812,535	1,890
37	Acids, alkalis and salts	2,034	568	11,696,998	4,495	5,764	42	21,728,866	3,742
38	Breweries	1,392	370	9,448,305	5,362	6,702	77	23,974,539	3,537
39	Boilers, tanks and platework	1,816	567	10,271,417	4,310	5,602	142	20,276,286	3,530
40	Brass and copper products	1,322	549	8,254,573	4,412	6,238	421	21,876,552	3,285
Totals, forty leading industries		140,357	49,437	746,794,298	3,935	569,597	113,403	2,045,741,498	2,995
Totals, other industries		59,406	29,736	328,306,917	3,683	210,358	95,672	775,844,978	2,535
Totals, all industries		199,763	79,173	1,075,101,215	3,854	779,955	209,075	2,821,586,476	2,853

Average Annual, Weekly and Hourly Earnings of Production Workers.—In comparing earnings by provinces or groups, consideration should be given to the type of industries in each case since the distribution of industries has a very definite regional significance. In some industries a labour force possessing deftness and speed or the ability to exercise muscular strength is necessary, in others the labour force must exercise craftsmanship or possess a high degree of technical knowledge. Workers in the latter industries naturally command relatively higher payments than those employed in industries whose employees are routine workers.

The ranking of provinces and industries as regards annual earnings is in many cases different to that of weekly or hourly earnings since the factors of number of weeks worked per year and number of hours worked per week enter into the picture. So that, while in general the same observations apply, a close study of the differences between the averages shown in Tables 33 and 34 will be of value.

The figures for the years 1934 to 1945 given in Table 35 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such a case it coincides for a great number of firms engaged in the same industry. The figures since 1946 are based on returns received from establishments employing 15 hands or over, and for 1946 and 1947 they refer to the last week in the month of November, whereas for 1948-1954 they refer to the last week in the month of October.

Average weekly earnings of male production workers for manufacturing as a whole amounted to \$63.98 in 1954, an increase of \$16.65 or 35 p.c. as compared with 1949. Average hourly earnings advanced from \$1.07 in 1949 to \$1.51 in 1954, an increase of 41 p.c., while annual earnings at \$3,145 were 37 p.c. higher. There are wide regional and industrial variations in hourly earnings. British Columbia is the highest paying province, the hourly earnings for male production workers being \$1.75 in 1954 as compared with \$1.51 for Canada as a whole. Ontario with \$1.59 was second while Prince Edward Island with 97 cents was the lowest. On an industrial basis, male workers in the products of petroleum and coal industries were the highest paid with an hourly average of \$1.89 while the leather products group had the lowest average of \$1.15.

Female production workers received on an average \$35.90 per week in 1954, an increase of \$8.72 or 32 p.c. since 1949. Hourly earnings at 93 cents were 37 p.c. higher, while annual earnings at \$1,764 were 34 p.c. higher. In the case of females, British Columbia with \$1.10 per hour was also the highest paying province, while Newfoundland and Prince Edward Island with 55 cents were the lowest. The transportation equipment group with \$1.32 per hour paid the highest wages to its female production workers, and the leather products group the lowest with 79 cents per hour. The leather products group had the lowest hourly earnings for both male and female production workers.

The following table gives the weekly and hourly earnings of male and female production workers for each province and major industrial group for the year 1954.

For the method used in calculating average annual earnings for male and female production workers separately, see text preceding Table 38.

Average Weekly and Hourly Earnings of Male and Female Production Workers, by Provinces and Industrial Groups, 1954

Province and Industrial Group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
	\$	\$	\$	\$
Provinces				
Newfoundland	61.67	1.43	21.01	0.55
Prince Edward Island	44.47	0.97	23.48	0.55
Nova Scotia	52.41	1.27	23.01	0.59
New Brunswick	55.16	1.27	25.70	0.68
Quebec	60.28	1.38	33.80	0.87
Ontario	66.54	1.59	38.56	1.00
Manitoba	60.70	1.45	33.67	0.87
Saskatchewan	61.86	1.46	35.41	0.99
Alberta	64.00	1.52	37.81	1.03
British Columbia	70.07	1.75	39.31	1.10
Canada	63.98	1.51	35.90	0.93
Industrial Group				
Foods and beverages	57.20	1.32	32.40	0.86
Tobacco and tobacco products	64.82	1.54	50.85	1.29
Rubber products	64.82	1.54	42.69	1.07
Leather products	44.48	1.15	28.78	0.79
Textile products (except clothing)	52.93	1.20	37.46	0.92
Clothing, including knitting mills	53.79	1.33	31.74	0.85
Wood products	55.41	1.28	39.29	0.98
Paper products	72.80	1.69	36.65	0.94
Printing, publishing and allied industries	74.85	1.84	35.35	0.92
Iron and steel products	66.82	1.60	45.33	1.17
Transportation equipment	68.37	1.65	50.46	1.32
Non-ferrous metal products	68.75	1.64	37.43	0.94
Electrical apparatus and supplies	66.81	1.61	46.75	1.18
Non-metallic mineral products	65.57	1.46	41.84	1.03
Products of petroleum and coal	78.78	1.89	—	—
Chemicals and allied products	65.46	1.56	37.56	0.96
Miscellaneous industries	57.31	1.33	34.64	0.86

TABLE 35. Average Annual, Weekly and Hourly Earnings of Production Workers, Employed in the Manufacturing Industries, 1934-54

Note. Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1934	830	18.30	0.372	930	20.31	0.407 ¹	539	11.80	0.251 ¹
1935	870	18.50	0.380	966	20.41	0.413 ¹	570	12.04	0.259 ¹
1936	896	18.96	0.389	995	20.92	0.423 ¹	577	12.20	0.262 ¹
1937	965	2	2	2	2	2	2	2	2
1938	956	19.49	0.417	1,055	21.49	0.454	594	12.10	0.271
1939	975	20.14	0.427	1,076	22.23	0.462	619	12.78	0.283
1940	1,084	22.35	0.446	1,202	24.82	0.488	655	13.52	0.286
1941	1,220	24.95	0.494	1,355	27.72	0.538	736	15.05	0.316
1942	1,383	28.18	0.561	1,558	31.75	0.619	854	17.41	0.371
1943	1,525	29.87	0.612	1,726	33.80	0.671	987	19.33	0.431
1944	1,564	31.05	0.654	1,761	34.95	0.712	1,051	20.89	0.479
1945	1,538	30.98	0.669	1,739	35.04	0.736	984	19.84	0.465
1946 ³	1,516	32.38	0.741	1,702	36.23	0.807	943	20.08	0.502
1947 ³	1,713	37.19	0.851	1,909	41.35	0.921	1,067	23.11	0.582
1948 ³	1,960	41.25	0.946	2,175	45.73	1.023	1,233	25.91	0.651
1949 ³	2,067	42.61	0.984	2,291	47.33	1.066	1,315	27.18	0.683
1950 ³	2,183	45.94	1.056	2,419	50.93	1.142	1,376	29.00	0.725
1951 ³	2,434	51.32	1.222	2,693	56.46	1.313	1,492	31.27	0.825
1952 ³	2,647	55.17	1.295	2,915	60.85	1.402	1,638	34.17	0.863
1953 ³	2,792	56.75	1.359	3,082	62.71	1.471	1,723	35.07	0.910
1954 ³	2,853	57.99	1.398	3,145	63.98	1.513	1,764	35.90	0.933

1. Estimated on the basis of hours worked by female workers in 1938 and 1939 as compared with those worked by male workers in those years.

2. Not available.

3. Prior to 1946 the figures refer to week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1949 to 1954 the last week in October for establishments employing 15 hands and over only.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-54

(Statistics for the years 1938-45 are published on page 60 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and Year	All production workers.			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Newfoundland:									
1949 ¹	2,392	—	—	—	—	—	—	—	—
1950	2,626	46.52	99.2	2,919	50.85	106.6	1,016	17.72	42.3
1951 ²	2,350	52.37	115.1	2,613	56.80	123.2	852	18.51	45.7
1952	2,479	54.42	123.4	2,705	58.78	131.8	903	19.62	48.8
1953	2,549	57.11	132.1	2,735	60.50	138.2	911	20.13	53.8
1954	3,147	57.57	134.5	3,413	61.67	142.5	1,164	21.01	54.8
Prince Edward Island:									
1946	911	21.51	46.2	1,097	25.42	54.2	555	12.87	28.6
1947	976	24.75	54.6	1,131	28.01	59.6	613	15.19	37.7
1948	1,149	27.66	60.4	1,317	30.68	65.7	735	16.66	39.1
1949	1,185	28.76	62.4	1,323	33.96	70.6	718	18.45	39.6
1950	1,220	30.36	69.0	1,456	35.97	78.2	667	16.46	42.0
1951	1,312	34.10	74.3	1,521	38.33	82.6	808	20.34	45.8
1952	1,455	43.53	96.3	1,719	48.13	104.4	801	22.41	54.8
1953	1,616	38.07	83.1	1,846	42.94	93.0	1,032	24.02	53.8
1954	1,591	39.55	87.5	1,832	44.47	97.1	967	23.48	54.6
Nova Scotia:									
1946	1,398	31.44	68.8	1,502	33.90	73.7	762	17.18	39.4
1947	1,461	34.58	75.5	1,584	37.47	81.1	744	17.62	40.6
1948	1,680	37.74	82.4	1,810	40.66	88.4	901	20.25	45.5
1949	1,810	39.56	88.9	1,959	42.87	95.7	911	19.94	46.8
1950	1,852	39.74	88.7	2,029	42.98	95.5	973	20.89	47.8
1951	2,024	44.77	103.4	2,179	48.30	111.3	998	22.14	51.6
1952	2,185	46.89	110.6	2,349	50.41	118.9	1,113	23.89	56.2
1953	2,313	49.27	118.3	2,494	53.15	127.4	1,100	23.45	56.9
1954	2,337	48.37	117.6	2,520	52.41	126.5	1,106	23.01	58.5
New Brunswick:									
1946	1,390	30.54	66.4	1,528	33.58	71.9	781	17.16	40.0
1947	1,570	33.55	73.9	1,714	37.05	79.5	890	19.22	47.7
1948	1,741	38.03	83.5	1,915	41.55	88.4	1,015	22.04	52.6
1949	1,823	38.64	85.1	1,983	42.18	90.9	1,114	23.71	57.4
1950	1,865	40.68	90.4	2,035	44.45	96.0	1,099	24.01	61.1
1951	2,087	46.87	105.8	2,275	51.42	113.0	1,198	26.86	66.7
1952	2,201	48.33	109.6	2,376	52.19	116.5	1,340	29.42	72.1
1953	2,326	49.93	117.0	2,534	54.48	124.4	1,234	26.51	71.6
1954	2,375	51.28	120.5	2,594	55.16	127.4	1,209	25.70	68.4

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-54 — Concluded¹

(Statistics for the years 1938-45 are published on page 60 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Quebec:									
1946	1,445	30.51	67.2	1,660	34.95	74.2	926	19.49	47.3
1947	1,601	34.82	76.7	1,830	39.66	84.2	1,016	22.02	54.1
1948	1,829	38.60	85.4	2,077	43.80	93.6	1,190	25.11	61.4
1949	1,907	39.61	89.0	2,171	45.19	97.6	1,246	25.93	64.5
1950	1,995	42.21	94.0	2,273	48.15	103.1	1,305	27.65	68.1
1951	2,216	47.26	109.9	2,528	53.58	119.6	1,385	29.37	77.7
1952	2,413	50.64	115.1	2,741	57.74	126.9	1,519	32.00	79.8
1953	2,558	52.48	122.5	2,911	59.72	134.5	1,592	32.67	84.8
1954	2,614	53.04	125.3	2,961	60.28	137.9	1,661	33.80	87.2
Ontario:									
1946	1,552	33.26	77.7	1,738	37.09	84.3	963	20.53	52.9
1947	1,792	38.57	89.7	1,988	42.70	96.6	1,153	24.13	62.2
1948	2,060	42.86	99.9	2,273	47.10	107.3	1,300	26.82	69.2
1949	2,187	44.34	103.6	2,405	48.88	111.6	1,400	28.45	72.2
1950	2,328	48.46	112.7	2,560	53.33	121.2	1,472	30.69	77.7
1951	2,602	53.87	129.5	2,848	58.60	138.2	1,635	33.66	88.8
1952	2,840	58.27	138.4	3,094	63.60	148.6	1,788	36.78	93.6
1953	2,980	59.34	143.5	3,257	65.00	154.6	1,892	37.74	97.5
1954	3,026	60.83	147.7	3,304	66.54	159.0	1,916	38.56	100.0
Manitoba:									
1946	1,491	31.16	72.8	1,662	34.51	78.8	949	19.72	49.8
1947	1,634	35.59	82.0	1,818	39.20	88.1	1,049	22.63	57.0
1948	1,833	39.22	91.0	2,042	43.48	98.6	1,144	24.35	61.5
1949	1,900	41.06	94.6	2,114	45.39	102.0	1,222	26.24	66.1
1950	2,013	43.73	100.3	2,234	48.30	108.3	1,276	27.56	68.9
1951	2,270	48.46	116.5	2,532	53.21	125.5	1,382	29.07	75.7
1952	2,443	51.17	123.0	2,698	56.34	133.5	1,562	32.63	82.2
1953	2,619	53.48	130.8	2,925	59.21	142.0	1,580	31.98	84.4
1954	2,647	54.85	133.1	2,939	60.70	144.9	1,631	33.67	87.1
Saskatchewan:									
1946	1,455	32.78	74.5	1,531	34.11	77.0	1,007	22.45	54.5
1947	1,643	36.63	84.5	1,726	39.16	87.5	1,106	25.10	62.3
1948	1,916	40.12	93.3	2,022	42.12	96.6	1,252	26.09	66.9
1949	2,042	41.34	97.5	2,142	43.33	101.0	1,384	27.99	71.4
1950	2,115	43.71	103.1	2,217	45.58	106.5	1,419	29.17	74.6
1951	2,363	49.18	118.8	2,473	51.58	123.4	1,568	32.69	84.7
1952	2,609	52.87	127.7	2,730	55.30	132.3	1,753	35.52	91.3
1953	2,785	56.33	136.9	2,909	58.73	141.2	1,865	37.62	99.5
1954	2,900	58.67	141.4	3,056	61.86	146.4	1,748	35.41	98.8
Alberta:									
1946	1,477	32.40	75.0	1,582	34.50	79.3	981	21.38	51.4
1947	1,657	36.81	84.2	1,758	39.07	88.6	1,136	25.25	60.4
1948	1,850	41.35	95.5	2,005	43.80	100.0	1,251	27.31	67.1
1949	2,025	43.80	100.7	2,137	46.01	104.8	1,385	29.83	73.3
1950	2,113	44.86	105.3	2,223	47.09	109.5	1,445	30.61	77.1
1951	2,323	50.39	122.0	2,449	52.83	127.0	1,531	33.04	85.6
1952	2,518	55.10	133.1	2,653	58.30	138.8	1,661	36.48	95.5
1953	2,718	58.43	141.7	2,864	61.66	147.7	1,787	38.45	100.9
1954	2,870	60.82	146.9	3,037	64.00	152.1	1,795	37.81	103.2
British Columbia:									
1946	1,750	36.83	89.4	1,956	39.01	94.0	1,156	23.05	58.8
1947	1,934	41.55	103.6	2,045	43.55	107.8	1,229	26.19	68.2
1948	2,182	46.02	114.2	2,298	48.27	118.9	1,360	28.58	75.2
1949	2,282	47.36	118.1	2,410	49.82	123.0	1,381	28.57	76.8
1950	2,393	50.73	126.2	2,522	53.34	131.7	1,458	30.84	81.6
1951	2,723	58.65	150.0	2,871	61.70	156.2	1,599	34.36	95.7
1952	2,975	62.21	158.3	3,127	65.35	164.6	1,776	37.11	102.5
1953	3,108	64.76	164.1	3,277	68.10	170.9	1,842	38.28	105.1
1954	3,221	66.95	169.2	3,386	70.07	175.2	1,900	39.31	110.3
Yukon and Northwest Territories ¹ :									
1946	2,249	—	—	—	—	—	—	—	—
1947	2,152	—	—	—	—	—	—	—	—
1948	2,824	—	—	—	—	—	—	—	—
1949	2,502	—	—	—	—	—	—	—	—
1950	2,523	—	—	—	—	—	—	—	—
1951	2,686	—	—	—	—	—	—	—	—
1952	3,366	—	—	—	—	—	—	—	—
1953	3,331	—	—	—	—	—	—	—	—
1954	3,376	—	—	—	—	—	—	—	—

1. Dash indicates that the information is not available.

2. The average annual earnings are calculated on the basis of the total amount paid during the year as reported to census of industry, while the weekly earnings are based on an analysis of the pay-list for the last week in October and only cover establishments employing 15 hands or over. The drop in the average annual earnings is due in part to these factors as well as to the fact that in 1951 statistics for the processing of fish in Newfoundland were included with manufactures for the first time. As this is a seasonal industry annual earnings are, therefore, lower. In 1951 average annual earnings of production workers for both sexes for this industry averaged \$1,151 as compared with \$2,806 for the other industries of the province.

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-54

Group and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Foods and beverages:									
1946	—	29.15	66.4	—	33.09	72.4	—	18.27	47.1
1947	—	33.87	76.8	—	38.45	83.4	—	21.04	54.5
1948	1,718	36.56	83.1	1,945	41.68	90.8	1,064	22.31	58.8
1949	1,817	38.45	86.8	2,046	43.98	95.2	1,140	24.51	62.2
1950	1,914	39.99	91.3	2,159	45.84	100.3	1,194	25.35	65.0
1951	2,113	44.79	103.2	2,371	50.67	112.6	1,370	29.29	75.1
1952	2,285	47.75	110.8	2,564	54.36	121.6	1,467	31.12	79.6
1953	2,393	49.47	116.2	2,687	56.52	128.1	1,537	32.31	83.3
1954	2,482	50.17	120.1	2,786	57.20	132.1	1,577	32.40	85.5
Tobacco and tobacco products:									
1946	—	23.85	55.6	—	30.06	65.9	—	20.37	49.2
1947	—	27.37	65.0	—	34.63	77.3	—	23.43	57.7
1948	1,717	35.53	83.6	2,105	44.15	98.1	1,488	31.23	75.8
1949	1,882	38.63	88.6	2,258	46.74	102.5	1,662	34.42	80.8
1950	2,011	40.92	98.6	2,361	48.33	112.4	1,799	36.83	90.5
1951	2,279	51.75	124.7	2,657	60.49	138.1	2,030	46.24	115.6
1952	2,526	50.96	124.9	2,975	60.24	141.4	2,231	45.18	113.8
1953	2,580	52.43	129.5	3,025	61.69	147.5	2,305	46.99	118.4
1954	2,703	56.28	138.9	3,113	64.82	154.0	2,441	50.85	128.7
Rubber products:									
1946	—	36.78	82.1	—	41.09	90.1	—	23.96	56.7
1947	—	40.07	91.7	—	44.43	100.3	—	27.17	65.0
1948	2,108	45.22	104.2	2,338	49.84	112.5	1,481	31.17	76.4
1949	2,138	43.36	102.6	2,353	47.68	111.4	1,520	30.80	75.3
1950	2,326	48.63	112.0	2,563	53.97	122.1	1,625	34.23	81.9
1951	2,622	54.69	132.1	2,861	59.77	142.3	1,848	38.59	97.7
1952	2,858	58.04	137.2	3,117	63.00	148.6	2,039	41.62	102.5
1953	2,981	59.08	142.8	3,259	64.74	153.1	2,102	41.73	108.0
1954	2,992	59.91	144.1	3,237	64.82	154.2	2,133	42.69	106.7
Leather products:									
1946	—	25.03	58.9	—	29.85	68.0	—	18.11	44.6
1947	—	28.25	68.9	—	33.51	79.4	—	20.11	51.3
1948	1,428	30.22	73.7	1,684	35.57	84.7	1,054	22.28	56.4
1949	1,528	30.84	76.9	1,807	36.39	88.1	1,131	22.77	59.3
1950	1,562	32.80	81.2	1,850	38.96	93.2	1,149	24.20	62.7
1951	1,684	33.61	89.4	1,992	39.71	102.6	1,251	24.95	69.3
1952	1,890	38.38	93.6	2,218	46.04	109.1	1,371	28.45	72.2
1953	1,928	37.90	98.4	2,310	45.27	113.6	1,437	28.18	76.7
1954	1,958	37.87	100.2	2,306	44.48	114.8	1,492	28.78	78.9
Textile products (except clothing):									
1946	—	24.13	55.1	—	28.33	60.8	—	19.87	48.1
1947	—	30.08	67.6	—	34.64	74.5	—	23.59	56.7
1948	1,707	34.10	76.8	1,946	38.93	83.9	1,349	26.98	65.0
1949	1,830	36.93	82.8	2,068	41.67	89.8	1,458	29.39	70.3
1950	1,909	39.38	88.1	2,141	44.17	95.4	1,527	31.49	74.8
1951	2,046	40.00	99.0	2,292	44.81	106.7	1,627	31.82	84.4
1952	2,223	45.68	105.0	2,477	50.73	113.5	1,788	36.63	88.9
1953	2,278	44.20	107.6	2,545	49.28	116.5	1,825	35.34	90.8
1954	2,348	47.43	110.4	2,629	52.93	119.5	1,861	37.46	92.3
Clothing including knitting mills:									
1946	—	25.38	61.9	—	34.54	77.1	—	19.81	51.2
1947	—	26.92	67.8	—	39.17	91.3	—	21.81	56.8
1948	1,465	30.16	75.2	2,065	42.64	100.1	1,198	24.73	63.4
1949	1,542	30.46	77.7	2,170	43.31	104.1	1,261	25.17	65.9
1950	1,588	32.64	81.4	2,242	46.35	108.8	1,294	26.75	68.6
1951	1,691	33.21	90.5	2,383	47.14	121.5	1,380	27.28	76.2
1952	1,812	37.39	93.7	2,579	54.06	127.2	1,473	30.85	81.5
1953	1,886	37.15	97.3	2,687	53.33	131.4	1,547	30.94	83.0
1954	1,897	38.08	99.3	2,655	53.79	132.8	1,566	31.74	84.7
Wood products:									
1946	—	30.94	68.6	—	31.73	69.9	—	21.02	50.9
1947	—	35.24	80.1	—	35.98	81.4	—	24.20	59.9
1948	1,727	39.16	89.0	1,758	40.00	90.5	1,199	27.30	66.9
1949	1,836	40.40	91.6	1,869	41.20	93.0	1,256	27.69	68.2
1950	1,925	43.61	98.9	1,957	44.48	100.4	1,335	30.34	74.0
1951	2,136	48.18	112.3	2,166	48.98	113.9	1,525	34.47	84.9
1952	2,279	51.86	118.4	2,312	52.80	120.0	1,637	37.36	90.9
1953	2,399	53.40	122.0	2,435	54.36	123.6	1,717	38.35	95.0
1954	2,484	54.52	126.2	2,521	55.41	127.7	1,787	39.29	97.7

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-54 - Continued

Group and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Paper products:									
1946	—	36.97	78.5	—	40.20	83.4	—	18.94	46.2
1947	—	44.04	93.3	—	47.38	98.5	—	22.36	54.0
1948	2,431	49.09	104.0	2,616	52.42	109.2	1,248	24.99	60.5
1949	2,535	49.74	105.6	2,721	53.31	111.3	1,350	26.44	63.1
1950	2,709	54.15	114.0	2,906	57.77	119.6	1,444	28.71	68.2
1951	3,130	63.98	137.6	3,347	67.87	143.8	1,630	33.05	80.8
1952	3,294	64.27	142.5	3,499	67.89	149.2	1,774	34.40	82.7
1953	3,434	66.85	153.4	3,648	70.77	160.8	1,842	35.77	89.4
1954	3,548	69.15	161.9	3,760	72.80	168.9	1,891	36.65	93.6
Printing, publishing and allied industries:									
1946	—	34.57	82.3	—	40.53	93.6	—	18.71	48.6
1947	—	38.47	93.6	—	44.77	106.1	—	21.15	55.5
1948	2,082	42.90	104.9	2,395	49.52	117.9	1,109	22.94	60.7
1949	2,239	47.19	115.1	2,550	53.59	128.2	1,221	25.66	67.0
1950	2,413	50.30	124.5	2,747	57.64	139.9	1,277	26.80	70.7
1951	2,575	54.24	135.6	2,917	61.87	152.4	1,374	29.11	76.6
1952	2,818	59.64	149.1	3,179	67.84	167.1	1,500	32.00	84.2
1953	3,058	63.10	157.6	3,446	71.65	176.2	1,637	34.06	89.8
1954	3,179	66.24	164.6	3,577	74.85	183.7	1,688	35.35	92.1
Iron and steel products:									
1946	—	36.87	82.3	—	37.89	84.2	—	22.11	52.9
1947	—	41.85	92.8	—	42.99	94.9	—	26.33	63.3
1948	2,257	46.64	104.1	2,305	47.61	105.8	1,443	29.83	71.7
1949	2,401	48.05	110.2	2,445	48.94	112.0	1,597	31.96	77.0
1950	2,534	52.23	118.7	2,581	53.18	120.6	1,665	34.28	82.8
1951	2,833	58.86	138.5	2,886	59.95	140.4	1,885	39.16	98.4
1952	3,109	63.09	147.4	3,159	64.05	149.3	2,088	42.35	105.6
1953	3,267	65.02	154.4	3,322	66.10	156.5	2,222	44.20	111.5
1954	3,275	65.75	158.2	3,330	66.82	160.2	2,258	45.33	116.5
Transportation equipment:									
1946	—	39.85	94.2	—	40.45	95.4	—	24.99	62.0
1947	—	44.75	102.6	—	45.27	103.6	—	30.51	74.6
1948	2,419	48.90	113.2	2,442	49.33	114.2	1,687	34.07	83.7
1949	2,465	50.54	117.8	2,494	51.08	118.8	1,706	34.93	88.2
1950	2,647	55.06	125.7	2,680	55.67	126.8	1,825	37.91	94.3
1951	2,867	58.18	138.2	2,895	58.66	139.0	2,096	42.45	109.7
1952	3,095	64.13	151.6	3,127	64.66	152.5	2,201	45.51	118.2
1953	3,406	65.45	157.2	3,438	66.11	158.2	2,444	47.00	123.3
1954	3,390	67.74	164.1	3,419	68.37	165.2	2,523	50.46	131.5
Non-ferrous metal products:									
1946	—	35.51	80.7	—	37.78	84.9	—	20.90	51.1
1947	—	40.79	92.5	—	42.91	96.2	—	24.91	61.8
1948	2,251	45.26	103.1	2,350	47.45	107.1	1,349	27.23	66.9
1949	2,419	48.26	108.7	2,521	50.26	112.7	1,437	28.63	68.5
1950	2,516	50.34	113.9	2,619	52.51	118.0	1,490	29.88	72.0
1951	2,866	57.56	137.7	2,979	59.68	142.1	1,618	32.40	81.0
1952	3,131	62.35	148.1	3,250	64.52	152.9	1,771	35.18	85.8
1953	3,277	64.43	155.2	3,399	66.59	159.9	1,852	36.30	91.2
1954	3,417	66.61	159.6	3,533	68.75	164.3	1,922	37.43	93.5
Electrical apparatus and supplies:									
1946	—	32.39	77.3	—	36.34	85.1	—	24.38	60.5
1947	—	39.11	91.8	—	43.28	99.5	—	30.04	73.8
1948	2,125	44.06	105.4	2,319	48.01	112.7	1,614	33.42	84.6
1949	2,288	46.10	109.5	2,493	50.38	117.7	1,740	35.18	87.3
1950	2,414	49.90	117.7	2,649	55.03	127.1	1,788	37.14	92.4
1951	2,673	56.03	135.0	2,932	61.24	144.1	1,982	41.41	107.0
1952	2,929	59.28	140.8	3,181	64.59	150.9	2,201	44.67	111.4
1953	2,994	60.65	145.1	3,298	67.24	158.0	2,259	46.05	114.8
1954	3,150	60.62	148.3	3,450	66.81	161.1	2,415	46.75	118.4
Non-metallic mineral products:									
1946	—	32.78	71.1	—	34.11	73.2	—	21.97	52.3
1947	—	38.93	83.9	—	40.20	85.9	—	27.75	63.8
1948	2,080	43.20	93.1	2,138	44.46	95.0	1,443	30.00	70.1
1949	2,193	45.22	98.3	2,252	46.45	100.1	1,540	31.10	74.4
1950	2,338	48.72	105.0	2,408	50.26	107.4	1,500	31.32	75.3
1951	2,616	54.77	121.7	2,699	56.31	124.3	1,646	34.33	85.4
1952	2,842	58.27	129.2	2,931	60.20	132.3	1,750	35.94	89.4
1953	2,990	60.28	135.8	3,084	62.26	139.2	1,884	38.03	92.9
1954	3,125	64.03	143.4	3,205	65.57	145.9	2,045	41.84	103.3

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-54 - Concluded

Group and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Products of petroleum and coal:									
1946.....	—	37.88	90.4	—	38.01	90.5	—	—	—
1947.....	—	44.02	104.6	—	44.06	104.7	—	—	—
1948.....	2,435	50.14	119.1	2,445	50.18	119.2	1,345	—	—
1949.....	2,602	52.54	125.4	2,613	52.58	125.5	1,435	—	—
1950.....	2,776	56.00	135.6	2,787	56.09	135.8	1,532	—	—
1951.....	3,172	67.15	162.2	3,181	67.32	162.6	1,750	—	—
1952.....	3,595	72.33	174.3	3,607	72.50	174.7	1,984	—	—
1953.....	3,729	76.96	184.8	3,739	77.17	185.2	2,056	—	—
1954.....	3,811	78.58	188.7	3,821	78.78	188.9	2,102	—	—
Chemicals and allied products:									
1946.....	—	32.46	73.1	—	35.97	79.4	—	19.35	47.2
1947.....	—	37.14	84.8	—	40.90	91.5	—	21.99	54.7
1948.....	2,029	41.05	93.3	2,227	45.03	100.3	1,223	24.72	61.2
1949.....	2,194	43.28	97.7	2,404	47.40	105.1	1,334	26.32	64.5
1950.....	2,325	46.52	107.2	2,541	50.54	114.6	1,410	28.07	70.0
1951.....	2,612	52.78	123.6	2,845	57.03	131.7	1,579	31.64	79.9
1952.....	2,827	56.56	133.7	3,073	61.20	143.0	1,718	34.21	86.4
1953.....	2,995	58.72	138.9	3,255	63.57	148.3	1,823	35.63	90.2
1954.....	3,090	60.44	145.5	3,345	65.46	155.5	1,920	37.56	96.3
Miscellaneous industries:									
1946.....	—	26.94	62.8	—	30.91	70.4	—	19.43	47.4
1947.....	—	31.18	73.7	—	35.75	81.8	—	22.67	57.1
1948.....	1,652	33.84	80.0	1,920	39.33	90.2	1,244	25.49	63.1
1949.....	1,718	35.14	82.1	2,006	41.38	93.4	1,292	26.66	65.5
1950.....	1,803	38.01	88.8	2,106	44.48	100.4	1,365	28.83	71.0
1951.....	2,063	41.63	99.6	2,411	48.93	113.0	1,529	31.01	78.5
1952.....	2,346	44.05	103.9	2,574	52.98	119.6	1,555	32.00	80.4
1953.....	2,343	47.47	112.4	2,760	56.37	128.8	1,673	34.17	85.4
1954.....	2,455	48.74	115.9	2,884	57.31	132.9	1,742	34.64	86.0

Note: Average annual earnings cannot be calculated without a recompilation of the figures for 1946 and 1947 on the new standard classification basis.

Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees.—Beginning with 1946 the survey on weekly earnings and hours worked by production workers was expanded to include office employees as well. The survey covers establishments employing 15 hands or over and refers to the last week in November for 1946 and 1947, and to the last week in October for 1948-54. Earnings and hours worked are reported for male and female workers separately in 13 groups of hours, ranging from 30 hours or less to 65 hours or more. The earnings reported for the week is the gross amount paid before deductions for income tax, unemployment insurance, etc. Weekly and hourly earnings as well as the hours worked are thus obtained directly from the tabulated results of the establishments covered. The annual earnings, however, have to be calculated as they are not directly obtained from the survey. To calculate annual earnings the results on weekly earnings are correlated with the results obtained through the annual Census of Industry. The following case will illustrate the method used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female office employees with total payments of \$46,537,336. From the October survey on weekly earnings this group showed \$77.41 per week for male and \$34.88 per week for female office employees. The proportion of female to male earnings is therefore .451 $\left[\frac{\$34.88}{\$77.41} \right]$ Female employees are first reduced to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

$$\frac{\$46,537,336}{9,077 \div .451 (3,573)} = \frac{\$46,537,336}{10,688} = \$4,354$$

Annual Earnings of Female Employees

$$\$4,354 \times .451 = \$1,964$$

In the foregoing calculation the assumption is made that annual earnings of male and female employees vary in the same proportion as their weekly earnings. In the above illustration it may also be noted that the calculated annual earnings for male employees amounting to \$4,354 are higher than the weekly earnings multiplied by 52 which total only \$4,025 (\$77.41 x 52). This difference is due to the fact that the earnings reported to the Census of Industry include payments to executives as well as bonuses to employees which are usually paid at the end of the year, while the earnings reported for the one week in the year exclude such payments.

It is the intention in future to alternate the system of classifying employees. One year the basis will be the hours worked per week and the following year it will be on the basis of the earnings per week. Information will thus be made available on both the number of hours worked as well as the range of weekly earnings of employees engaged in manufacturing.

Annual earnings of male office employees in 1954 averaged \$4,499, weekly earnings \$90.99 and hourly earnings \$2.31. For female office employees annual earnings averaged \$2,227, weekly earnings \$45.00 and hourly earnings \$1.19. Average annual earnings of all office employees totalled \$3,854 in 1954, an increase of 70 p.c. since 1946. Weekly earnings at \$77.81 were 77 p.c. higher and hourly earnings at \$2.00 were 87 p.c. higher. Male employees in the products of petroleum and coal group received the highest salaries of \$116.07. Paper products came second with \$109.16 and leather products last with \$77.23. In the case of female employees, salaries paid by the products of petroleum and coal group at \$54.20 per week were also the highest. Tobacco and tobacco products with \$53.44 was second and leather products with \$38.96 last.

The following table gives the weekly and hourly earnings of male and female office workers for each province and major industrial group for the year 1954.

Average Weekly and Hourly Earnings of Male and Female Supervisory and Office Employees by Provinces and Industrial Groups, 1954

Province and Industrial Group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
	\$	\$	\$	\$
Province				
Newfoundland	80.34	1.96	37.55	0.94
Prince Edward Island	58.50	1.43	30.60	0.77
Nova Scotia	76.73	1.84	35.64	0.92
New Brunswick	77.96	1.91	35.98	0.93
Quebec	88.64	2.25	44.83	1.19
Ontario	93.91	2.40	45.88	1.22
Manitoba	79.10	1.99	39.67	1.04
Saskatchewan	74.68	1.84	41.65	1.04
Alberta	85.34	2.11	43.04	1.10
British Columbia	93.83	2.36	45.22	1.18
Canada	90.99	2.31	45.00	1.19
Industrial group				
Foods and beverages	81.40	2.03	42.87	1.12
Tobacco and tobacco products	93.84	2.48	53.44	1.44
Rubber products	85.57	2.17	43.80	1.15
Leather products	77.23	1.91	38.96	1.03
Textile products (except clothing)	88.28	2.21	41.80	1.10
Clothing, including knitting mills	84.43	2.09	41.82	1.10
Wood products	84.81	2.03	41.79	1.09
Paper products	109.16	2.88	48.45	1.31
Printing, publishing and allied industries	83.19	2.20	42.14	1.13
Iron and steel products	89.57	2.29	44.88	1.19
Transportation equipment	95.28	2.34	48.22	1.24
Non-ferrous metal products	97.90	2.50	46.53	1.24
Electrical apparatus and supplies	90.46	2.31	46.73	1.23
Non-metallic mineral products	89.31	2.26	45.01	1.21
Products of petroleum and coal	116.07	3.14	54.20	1.50
Chemicals and allied products	94.51	2.47	47.16	1.25
Miscellaneous industries	89.72	2.27	44.42	1.19

TABLE 38 Average Annual, Weekly and Hourly Earnings of Supervisory and Office Workers Employed in the Manufacturing Industries, 1946-54

Year	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1946	2,270	43.85	1.067	—	53.21	1.267	—	25.91	0.656
1947	2,484	49.78	1.232	—	60.21	1.461	—	28.68	0.737
1948	2,687	52.91	1.313	3,147	63.47	1.544	1,551	31.26	0.805
1949	2,836	54.85	1.368	3,317	65.37	1.602	1,655	32.62	0.845
1950	2,998	58.74	1.480	3,507	69.35	1.725	1,739	34.38	0.895
1951	3,296	65.98	1.670	3,852	77.55	1.939	1,907	38.42	1.006
1952	3,513	70.75	1.796	3,985	82.60	2.070	2,323	41.26	1.086
1953	3,707	73.87	1.894	4,327	86.43	2.188	2,159	43.13	1.138
1954	3,854	77.81	1.995	4,499	90.99	2.309	2,227	45.00	1.187

TABLE 39. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Provinces, 1946-54

Year and Province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Newfoundland:									
1950	1,921	54.95	128.9	2,087	63.33	146.7	868	26.55	66.6
1951	2,383	62.04	144.3	2,604	70.71	163.3	1,135	30.80	73.3
1952	2,345	62.62	146.7	2,529	71.47	166.2	1,275	31.55	76.4
1953	2,403	68.54	164.0	2,620	78.07	185.9	1,554	34.44	84.0
1954	2,687	71.39	175.4	2,922	80.34	196.4	1,365	37.55	94.1
Prince Edward Island:									
1950	1,571	40.35	98.4	1,747	48.55	118.5	896	24.92	60.6
1951	1,715	46.90	108.1	1,918	55.98	126.4	917	26.75	64.8
1952	1,909	49.63	120.2	2,117	59.33	142.3	1,050	29.40	72.4
1953	2,009	53.69	132.6	2,260	64.81	158.1	1,087	31.15	78.5
1954	1,990	50.04	123.6	2,241	58.50	143.4	1,172	30.60	77.0
Nova Scotia:									
1946	—	39.89	92.5	—	46.36	106.2	—	23.54	57.8
1947	—	45.34	108.2	—	53.44	125.4	—	25.67	64.2
1948	2,036	48.42	116.1	2,292	56.49	133.2	1,107	27.29	68.4
1949	2,179	50.47	124.6	2,455	59.45	145.3	1,169	28.29	71.4
1950	2,335	52.55	128.8	2,635	61.20	149.3	1,257	29.18	72.8
1951	2,500	58.43	140.1	2,821	67.83	160.4	1,329	31.95	79.5
1952	2,653	60.30	142.6	2,936	68.54	158.7	1,691	34.74	87.3
1953	2,775	62.82	155.1	3,122	72.01	176.1	1,539	35.48	90.5
1954	2,861	65.91	161.5	3,228	76.73	184.4	1,498	35.64	92.3
New Brunswick:									
1946	—	40.33	93.3	—	48.25	108.9	—	22.68	55.4
1947	—	44.59	102.3	—	53.56	120.1	—	24.78	60.1
1948	2,204	46.70	109.3	2,516	55.94	127.7	1,208	26.86	66.5
1949	2,233	48.42	113.1	2,568	57.64	131.6	1,243	27.88	68.6
1950	2,404	51.60	122.9	2,774	61.40	142.8	1,298	28.71	72.5
1951	2,757	57.65	137.9	3,175	68.64	161.1	1,467	31.72	79.1
1952	2,910	61.83	149.0	3,258	71.50	169.4	1,867	35.44	89.7
1953	3,096	62.96	153.9	3,564	73.48	178.8	1,711	35.25	86.8
1954	3,117	66.18	164.2	3,593	77.96	190.6	1,660	35.98	92.5
Quebec:									
1946	—	44.57	107.4	—	53.30	125.4	—	26.63	67.2
1947	—	49.45	121.8	—	59.09	143.1	—	28.95	74.0
1948	2,699	52.39	129.0	3,119	62.20	150.2	1,581	31.52	80.8
1949	2,812	54.66	135.3	3,256	64.41	156.7	1,670	33.05	85.2
1950	2,981	58.10	146.0	3,461	68.13	168.2	1,747	34.41	89.6
1951	3,241	64.67	162.9	3,769	75.77	188.0	1,858	37.32	98.0
1952	3,482	68.88	174.4	3,929	79.92	199.8	2,310	40.52	106.1
1953	3,670	72.23	184.3	4,260	84.12	211.9	2,143	42.33	111.7
1954	3,827	76.32	195.7	4,432	88.64	225.0	2,243	44.83	118.6
Ontario:									
1946	—	43.82	108.2	—	54.19	131.2	—	25.87	66.0
1947	—	50.46	126.1	—	62.01	152.0	—	28.84	75.0
1948	2,816	53.63	134.7	3,373	65.20	160.5	1,626	31.40	81.8
1949	2,990	55.32	139.3	3,563	66.81	165.4	1,746	32.74	85.5
1950	3,150	59.81	152.2	3,749	71.40	179.4	1,830	34.84	91.4
1951	3,489	67.29	172.5	4,135	79.67	201.7	2,051	39.49	104.2
1952	3,691	72.73	186.5	4,236	85.77	216.6	2,461	42.24	112.0
1953	3,892	75.69	195.6	4,609	89.28	227.8	2,281	44.23	117.6
1954	4,030	79.67	205.3	4,774	93.91	239.6	2,334	45.88	121.7
Manitoba:									
1946	—	41.46	97.1	—	48.93	113.0	—	23.76	57.8
1947	—	46.07	110.5	—	54.62	129.4	—	26.07	64.5
1948	2,563	49.68	118.8	2,981	58.98	138.8	1,404	28.21	69.8
1949	2,729	52.98	138.3	3,150	62.19	148.4	1,534	30.30	75.9
1950	2,818	54.21	132.5	3,239	62.42	151.1	1,662	32.01	80.4
1951	3,050	60.57	150.3	3,519	70.20	173.3	1,756	35.06	88.5
1952	3,219	64.14	160.8	3,638	73.66	182.3	2,114	37.27	96.8
1953	3,419	66.35	166.3	3,955	76.47	190.2	1,966	37.98	97.9
1954	3,525	68.30	173.8	4,083	79.10	199.2	2,050	39.67	104.4
Saskatchewan:									
1946	—	38.78	90.4	—	46.10	105.5	—	24.20	58.6
1947	—	41.95	99.6	—	50.47	117.4	—	25.90	63.2
1948	1,937	44.90	107.1	2,216	54.52	128.6	1,148	28.25	68.7
1949	2,085	45.18	107.0	2,364	53.23	124.6	1,300	29.30	71.3
1950	2,317	49.76	118.2	2,640	58.13	136.8	1,468	32.34	78.3
1951	2,444	56.35	136.4	2,764	64.97	156.2	1,584	37.25	91.1
1952	2,605	58.08	140.0	2,871	67.22	160.0	1,833	38.11	94.6
1953	2,809	61.90	150.6	3,167	71.66	173.5	1,774	40.16	101.9
1954	2,925	63.96	157.9	3,305	74.68	183.9	1,844	41.65	103.9

TABLE 39. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Provinces, 1946-54 — Concluded

Year and Province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	¢	\$	\$	cents	\$	\$	cents
Alberta:									
1946.....	—	39.34	91.7	—	46.30	106.2	—	23.66	57.0
1947.....	—	44.32	104.5	—	51.68	120.2	—	26.62	64.9
1948.....	2,122	48.20	113.4	2,382	55.81	129.2	1,239	29.04	71.3
1949.....	2,311	51.80	122.7	2,610	60.06	140.3	1,334	30.72	75.6
1950.....	2,454	55.05	133.3	2,777	62.62	150.2	1,441	32.47	81.6
1951.....	2,559	62.06	150.3	2,870	71.12	171.0	1,487	36.86	91.5
1952.....	2,888	67.20	165.9	3,183	76.73	187.6	1,919	40.55	102.9
1953.....	3,081	69.93	174.8	3,484	79.64	197.1	1,840	42.05	108.4
1954.....	3,240	74.38	185.0	3,685	85.34	210.7	1,857	43.04	109.8
British Columbia:									
1946.....	—	46.59	111.2	—	54.10	127.6	—	27.36	67.4
1947.....	—	52.89	130.3	—	61.70	150.5	—	30.07	75.7
1948.....	2,522	56.38	138.8	2,835	65.16	158.9	1,451	33.40	84.5
1949.....	2,758	57.91	143.3	3,133	66.92	164.4	1,579	33.73	85.2
1950.....	2,871	60.83	152.5	3,242	69.77	173.6	1,637	35.23	90.3
1951.....	3,174	71.10	177.8	3,606	81.66	203.1	1,767	40.03	102.4
1952.....	3,414	74.54	188.2	3,785	84.76	211.9	2,131	42.00	109.7
1953.....	3,609	78.41	199.0	4,075	89.70	225.9	1,993	43.84	114.2
1954.....	3,796	81.81	208.2	4,305	93.83	236.3	2,075	45.22	118.4

TABLE 40. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-54

Year and Group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Foods and beverages:									
1946.....	—	41.33	97.9	—	49.90	115.5	—	24.62	61.1
1947.....	—	47.23	114.6	—	57.19	136.1	—	27.75	69.9
1948.....	2,384	52.01	125.6	2,792	62.62	147.0	1,348	30.24	76.7
1949.....	2,518	52.31	126.9	2,930	62.27	147.7	1,490	31.64	80.3
1950.....	2,693	55.06	134.6	3,129	64.05	154.3	1,608	32.92	83.8
1951.....	2,941	61.78	152.5	3,406	71.15	173.1	1,785	37.29	95.4
1952.....	3,103	64.68	159.7	3,500	73.74	179.4	2,145	39.65	102.5
1953.....	3,325	68.37	170.9	3,856	78.32	192.9	2,044	41.55	108.2
1954.....	3,476	70.78	178.3	4,027	81.40	202.5	2,122	42.87	111.6
Tobacco and tobacco products:									
1946.....	—	39.94	96.7	—	51.45	122.2	—	25.17	62.3
1947.....	—	44.21	109.4	—	54.68	133.0	—	28.96	73.9
1948.....	2,863	52.47	130.5	3,412	64.94	159.1	1,836	34.92	88.8
1949.....	3,109	54.17	135.4	3,667	65.26	161.1	2,057	36.63	93.4
1950.....	3,256	57.86	150.7	3,821	67.18	174.0	2,247	39.48	104.2
1951.....	3,665	66.73	178.9	4,390	78.21	208.6	2,379	42.41	115.2
1952.....	3,922	68.33	182.2	4,408	78.96	209.4	2,055	47.34	127.3
1953.....	4,351	73.72	197.6	5,149	86.27	230.7	2,930	49.05	131.9
1954.....	4,565	79.50	211.4	5,410	93.84	248.3	3,078	53.44	143.7
Rubber products:									
1946.....	—	44.97	111.3	—	54.64	133.6	—	25.17	64.2
1947.....	—	48.69	123.9	—	58.64	147.7	—	27.34	71.2
1948.....	2,800	51.84	132.2	3,333	61.95	156.0	1,606	29.88	78.2
1949.....	2,974	53.70	137.0	3,491	63.53	160.0	1,697	30.90	80.9
1950.....	3,070	55.09	145.7	3,597	67.97	169.5	1,759	33.26	86.4
1951.....	3,361	63.90	166.8	3,926	74.59	194.2	1,967	37.40	98.4
1952.....	3,572	67.63	174.8	3,999	78.53	200.8	2,415	40.87	107.8
1953.....	3,632	71.04	182.6	4,210	82.25	210.4	2,143	41.84	109.5
1954.....	3,977	74.07	189.4	4,630	85.57	217.2	2,371	43.80	114.7
Leather products:									
1946.....	—	37.93	88.0	—	45.12	101.4	—	23.66	58.7
1947.....	—	45.06	107.5	—	54.25	125.6	—	26.21	67.0
1948.....	2,898	47.20	114.0	3,409	56.83	133.7	1,684	28.08	71.6
1949.....	3,033	48.95	117.9	3,533	57.94	136.0	1,819	29.86	76.2
1950.....	3,103	51.36	124.7	3,640	61.26	145.2	1,838	30.92	78.9
1951.....	3,264	56.30	140.0	3,795	66.47	161.3	1,958	34.33	90.1
1952.....	3,396	58.74	145.4	3,864	69.22	168.0	2,326	35.35	92.1
1953.....	3,623	61.71	155.1	4,256	73.25	180.4	2,162	37.24	98.3
1954.....	3,674	64.44	162.7	4,339	77.23	190.7	2,187	38.96	102.8

TABLE 40. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-54—Continued

Year and Group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Textile products (except clothing):									
1946.....	—	48.08	115.8	—	59.30	139.2	—	27.07	68.7
1947.....	—	50.19	121.8	—	62.82	149.2	—	27.53	69.9
1948.....	3,111	53.32	130.0	3,856	66.48	157.9	1,742	30.02	76.6
1949.....	3,199	53.69	130.9	3,884	65.47	156.2	1,864	31.46	80.2
1950.....	3,369	58.61	145.8	4,134	71.48	174.8	1,914	33.08	85.5
1951.....	3,655	65.41	164.3	4,465	79.67	196.7	2,063	36.78	95.8
1952.....	3,700	68.65	174.2	4,313	82.79	207.0	2,480	39.50	103.1
1953.....	3,827	70.73	178.2	4,635	84.77	209.3	2,234	40.87	107.3
1954.....	3,951	72.94	185.6	4,796	88.28	220.7	2,269	41.80	110.0
Clothing including knitting mills									
1946.....	—	38.00	91.5	—	47.65	111.6	—	25.13	63.1
1947.....	—	44.91	110.1	—	57.75	137.5	—	28.30	72.2
1948.....	3,004	45.97	112.4	3,691	58.76	139.2	1,897	30.22	76.7
1949.....	3,132	48.04	118.3	3,817	60.25	144.5	2,031	32.08	82.0
1950.....	3,233	51.12	127.8	3,964	64.27	157.1	2,057	33.33	86.1
1951.....	3,375	57.54	145.7	4,157	72.45	179.3	2,116	36.85	96.2
1952.....	3,561	60.73	153.7	4,136	76.11	188.9	2,639	38.74	100.9
1953.....	3,674	62.41	157.6	4,541	78.81	194.1	2,316	40.18	105.2
1954.....	3,763	66.24	168.1	4,662	84.43	209.0	2,308	41.82	110.1
Wood products:									
1946.....	—	42.65	97.6	—	50.08	110.8	—	24.92	62.0
1947.....	—	50.11	117.6	—	58.70	134.0	—	27.43	69.2
1948.....	1,727	51.99	122.6	1,853	60.46	138.6	917	29.93	76.1
1949.....	1,905	54.15	127.7	2,038	62.56	143.8	1,015	31.14	79.0
1950.....	2,079	56.92	136.5	2,227	65.90	154.7	1,109	32.85	83.8
1951.....	2,250	64.48	155.4	2,407	74.34	174.9	1,204	37.16	96.0
1952.....	2,366	67.77	163.3	2,505	77.06	180.9	1,435	38.63	101.1
1953.....	2,534	71.35	173.2	2,717	81.52	193.6	1,342	40.28	104.6
1954.....	2,597	74.01	181.0	2,788	84.81	202.9	1,374	41.79	109.4
Paper products:									
1946.....	—	52.29	127.8	—	62.49	150.2	—	27.45	69.7
1947.....	—	59.44	149.0	—	70.72	175.0	—	31.33	81.1
1948.....	3,475	62.64	155.8	4,069	73.69	181.0	1,921	34.82	89.0
1949.....	3,679	65.87	164.3	4,354	77.41	191.6	1,964	34.88	90.8
1950.....	3,866	68.96	176.4	4,576	81.14	204.9	2,009	35.64	94.3
1951.....	4,338	79.57	204.6	5,147	93.92	239.6	2,224	40.60	106.8
1952.....	4,618	83.19	216.6	5,318	97.11	250.9	2,803	43.80	117.1
1953.....	4,808	87.68	230.7	5,693	102.39	267.3	2,550	45.92	123.8
1954.....	4,950	93.19	247.2	5,863	109.16	288.0	2,603	48.45	130.9
Printing, publishing and allied industries:									
1946.....	—	37.07	92.9	—	45.76	112.7	—	24.30	62.3
1947.....	—	41.86	106.0	—	50.21	125.5	—	26.84	69.3
1948.....	2,400	43.75	112.2	2,860	53.76	136.4	1,533	28.82	75.2
1949.....	2,368	46.55	120.3	2,879	57.12	145.7	1,526	30.30	80.1
1950.....	2,500	50.71	132.7	3,040	61.75	161.2	1,602	32.56	85.7
1951.....	2,749	57.20	149.7	3,352	69.61	180.8	1,773	36.83	97.4
1952.....	3,003	61.13	161.3	3,498	74.67	196.5	2,200	38.48	102.3
1953.....	3,142	63.88	171.3	3,840	78.01	208.6	2,016	40.95	110.7
1954.....	3,258	67.30	178.5	4,029	83.19	219.5	2,043	42.14	113.0
Iron and steel products:									
1946.....	—	50.14	122.6	—	52.88	127.4	—	25.43	64.7
1947.....	—	50.22	124.9	—	59.60	146.1	—	27.92	72.3
1948.....	2,865	53.41	133.2	3,358	63.09	155.0	1,617	30.35	78.6
1949.....	3,095	55.77	140.1	3,574	65.17	161.7	1,762	32.13	83.7
1950.....	3,215	59.71	151.2	3,715	69.29	173.7	1,817	33.91	88.5
1951.....	3,635	67.65	173.0	4,195	78.15	197.3	2,056	38.30	101.0
1952.....	3,879	71.71	183.4	4,369	82.53	208.9	2,473	40.62	106.9
1953.....	3,993	74.88	192.5	4,598	86.02	218.9	2,285	42.71	113.6
1954.....	4,212	78.30	201.3	4,815	89.57	228.5	2,412	44.88	118.7
Transportation equipment:									
1946.....	—	50.14	118.8	—	57.95	135.4	—	28.08	69.3
1947.....	—	55.47	134.9	—	64.15	154.2	—	30.62	77.1
1948.....	3,807	59.72	143.5	3,494	69.03	161.6	1,768	34.44	85.7
1949.....	3,277	62.04	149.5	3,713	71.01	169.5	1,827	34.95	87.1
1950.....	3,521	66.98	161.8	3,980	76.07	182.0	1,998	38.21	96.0
1951.....	3,733	71.39	174.1	4,214	80.85	195.8	2,162	41.51	104.0
1952.....	3,909	77.61	186.1	4,346	87.79	206.6	2,516	44.92	114.6
1953.....	4,301	79.43	199.1	4,876	90.20	224.4	2,482	45.93	118.4
1954.....	4,391	84.40	209.4	4,954	95.28	234.1	2,507	48.22	124.3
Non-ferrous metal products:									
1946.....	—	47.22	113.5	—	57.07	134.6	—	27.71	69.1
1947.....	—	54.49	133.2	—	64.87	155.9	—	30.41	77.6
1948.....	2,921	57.70	140.7	3,426	68.57	164.4	1,644	32.91	84.1
1949.....	3,189	60.25	147.3	3,776	71.43	170.9	1,794	33.96	87.5
1950.....	3,349	63.55	159.3	3,938	74.95	184.6	1,855	35.27	92.1
1951.....	3,585	73.63	185.9	4,188	85.63	213.0	1,968	40.21	105.5
1952.....	3,870	78.70	201.8	4,402	90.39	229.4	2,373	42.39	112.1
1953.....	4,057	80.30	203.8	4,693	93.16	233.5	2,239	44.44	117.6
1954.....	4,336	85.75	221.0	4,994	97.90	249.7	2,372	46.53	124.1

TABLE 40. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-54—Concluded

Year and Group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Electrical apparatus and supplies:									
1946.....	—	45.46	114.8	—	54.74	136.5	—	27.68	71.7
1947.....	—	50.08	125.5	—	60.51	149.0	—	29.66	76.8
1948.....	2,767	52.96	135.8	3,267	62.39	158.7	1,735	33.14	86.5
1949.....	2,990	55.15	141.4	3,489	64.32	163.6	1,877	34.58	90.3
1950.....	3,083	58.61	151.8	3,608	68.11	175.5	1,905	35.99	94.7
1951.....	3,468	64.82	167.1	4,055	75.51	192.1	2,060	38.37	102.0
1952.....	3,691	70.93	184.0	4,170	81.92	211.1	2,527	42.95	114.2
1953.....	3,925	79.07	194.5	4,565	87.17	224.7	2,360	45.04	118.8
1954.....	4,052	78.36	202.0	4,736	90.46	231.4	2,449	46.73	122.7
Non-metallic mineral products:									
1946.....	—	43.29	104.5	—	50.47	119.3	—	25.96	66.2
1947.....	—	50.43	123.3	—	58.09	140.6	—	29.76	74.4
1948.....	2,642	53.45	132.0	3,005	62.03	150.2	1,512	31.22	81.7
1949.....	2,837	53.94	135.2	3,218	62.87	154.1	1,635	31.96	84.5
1950.....	2,970	58.29	146.8	3,388	67.41	167.3	1,701	33.85	89.1
1951.....	3,297	66.34	168.8	3,793	76.94	192.8	1,904	38.61	102.7
1952.....	3,511	71.45	186.1	3,951	82.48	211.5	2,276	41.15	111.8
1953.....	3,736	74.31	189.6	4,304	85.84	215.1	2,174	43.36	116.9
1954.....	3,852	77.54	198.8	4,392	89.31	225.5	2,214	45.01	121.0
Products of petroleum and coal:									
1946.....	—	47.66	120.6	—	54.05	135.4	—	26.33	68.9
1947.....	—	55.06	141.9	—	61.43	157.1	—	32.07	86.0
1948.....	2,925	59.97	157.0	3,258	66.31	172.2	1,753	35.68	96.2
1949.....	3,100	61.40	161.6	3,490	68.49	177.4	1,769	34.70	96.1
1950.....	3,260	65.59	178.7	3,662	72.64	194.2	1,941	38.52	113.0
1951.....	3,662	74.52	194.1	4,147	81.92	211.7	2,161	42.72	115.1
1952.....	4,092	95.23	259.5	4,620	108.63	293.6	2,504	51.57	143.6
1953.....	4,217	98.27	264.2	4,881	111.87	298.3	2,309	52.95	146.3
1954.....	4,265	101.28	275.2	4,944	116.07	313.7	2,309	54.20	150.1
Chemicals and allied products:									
1946.....	—	43.88	111.1	—	55.92	139.8	—	27.08	69.8
1947.....	—	49.19	126.1	—	62.01	157.0	—	30.28	79.0
1948.....	2,801	51.60	133.0	3,394	63.56	161.7	1,731	32.41	85.3
1949.....	2,883	54.89	141.8	3,481	67.30	171.7	1,782	34.46	91.1
1950.....	3,035	59.87	156.3	3,671	71.22	183.6	1,858	36.05	96.1
1951.....	3,379	66.37	171.9	4,061	78.79	202.5	2,079	40.31	106.1
1952.....	3,626	71.48	186.1	4,205	84.46	218.2	2,527	42.95	113.3
1953.....	3,808	74.59	194.8	4,531	88.12	228.9	2,336	44.90	119.1
1954.....	4,083	79.70	209.7	4,929	94.51	247.4	2,460	47.16	125.4
Miscellaneous industries:									
1946.....	—	39.89	92.5	—	51.41	122.7	—	25.62	66.2
1947.....	—	45.34	108.2	—	61.81	150.0	—	29.22	75.7
1948.....	2,036	48.42	116.1	3,148	61.75	149.9	1,587	31.45	81.5
1949.....	2,179	50.47	124.6	3,435	63.44	154.3	1,700	31.43	83.6
1950.....	3,059	54.51	136.3	3,685	66.78	173.9	1,865	33.78	88.0
1951.....	3,246	60.89	156.5	3,960	75.50	188.3	1,925	36.73	99.3
1952.....	3,436	66.57	173.8	3,962	80.66	204.2	2,413	40.57	113.0
1953.....	3,733	69.21	177.9	4,053	84.11	213.5	2,027	42.08	111.3
1954.....	3,681	73.34	189.0	4,464	89.72	226.6	2,210	44.42	118.5

Note. Average annual earnings cannot be calculated without a recompilation of the figures for 1946 and 1947 on the new standard classification basis.

Office Workers and Other Salaried Employees.—A survey of weekly earnings of supervisory and office employees, classified into (a) managerial and professional employees and (b) office workers, was undertaken for the first time in 1951 and repeated again in 1954. It is the intention to repeat this survey every third year in the future. According to Table 41 below average weekly salaries of all office and supervisory employees in 1954 averaged \$77.81. Male employees received \$90.99 and female employees \$45.00. The increase per week since 1951 for all employees totalled \$11.83, for males \$13.44 and for females \$6.58.

The average weekly salaries of office workers rose in the three years from \$51.14 to \$59.29, an advance of 15.9 p.c. as compared with 17.9 p.c. for all salaried employees. The average for men classed in the office group increased by \$10.26 to \$70.94, and for women by \$6.39 to \$44.16, representing an advance of 16.9 p.c. in each case. The upward movement was more pronounced in the durable goods division than in non-durables. Higher earnings for office workers were reported in 1954 in all provinces and industry groups, except tobacco and

tobacco products, where the men's average salary, at \$68.31 was \$1.87 below the 1951 figure. The drop was caused mainly by the transfer of a group of employees to a separately organized sales office since 1951 when they were paid well above the general level.

The residual group of salaried employees, composed mainly of managerial, professional and related staffs and professional salesmen, comprises a varied group, the composition of which may differ from firm to firm. Its components are affected not only by varying requirements for administrative and professional personnel but also by the extent to which proprietors and firm members (excluded from the survey) undertake such duties, and by the organization of separate sales offices. The managerial and professional employees reported in 1951 averaged \$98.38 for the week; the men earned \$99.73 and the women \$57.04. Three years later, the averages were \$109.67 for both sexes, \$111.14 for men and \$64.89 for women. All industry groups and provinces reported higher earnings in 1954, raising the average salaries of the men to more than \$100 a week in most of the major industries in Canada.

TABLE 41. Average Weekly Earnings of the Supervisory and Office Employees in the Manufacturing Industries of Canada, Classified on the basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951 and 1954.

Province and group	All supervisory and office employees			Managerial and professional employees			Office workers		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Province, 1951									
Newfoundland.....	62.04	70.71	30.80	116.20	121.37	--	47.02	52.93	30.19
Prince Edward Island	46.90	55.98	26.75	--	--	--	--	--	--
Nova Scotia	58.43	67.83	31.95	88.62	89.34	--	49.00	57.87	31.66
New Brunswick	57.65	68.64	31.72	93.40	93.54	--	44.96	53.97	31.51
Quebec	64.67	75.77	37.32	99.57	101.30	56.35	50.04	58.82	36.54
Ontario	67.29	79.67	39.49	98.81	100.13	57.80	52.02	62.44	38.86
Manitoba	60.57	70.20	35.06	87.91	88.56	--	47.28	55.69	34.53
Saskatchewan.....	56.35	64.97	37.25	79.53	79.98	--	44.73	51.31	36.97
Alberta	62.06	71.12	36.86	89.23	89.66	--	49.32	57.25	36.48
British Columbia	71.10	81.66	40.03	100.95	101.78	59.14	55.75	65.46	39.52
Canada	65.98	77.55	38.42	98.38	99.73	57.04	51.14	60.68	37.77
Industrial group, 1951									
Foods and beverages	61.78	71.15	37.29	86.89	87.54	57.65	48.31	56.49	36.72
Tobacco and tobacco products	66.73	78.21	42.41	87.06	86.56	--	56.47	70.18	41.53
Rubber products	63.90	74.59	37.40	97.48	98.26	--	48.40	56.32	37.09
Leather products	56.30	66.47	34.33	90.22	91.58	--	45.78	53.97	33.56
Textile products (except clothing)	65.41	79.67	36.78	103.41	105.45	54.65	48.21	58.75	36.08
Clothing including knitting mills.....	57.54	72.45	36.85	95.67	99.62	58.38	44.92	55.32	35.55
Wood products	64.48	74.34	37.16	96.70	97.48	59.47	52.56	61.33	36.69
Paper products	79.57	93.92	40.60	125.26	126.91	58.22	56.87	67.67	40.06
Printing, publishing and allied industries.....	57.20	69.61	36.83	90.05	93.55	54.20	45.02	53.89	35.65
Iron and steel products	67.65	78.15	38.30	101.60	102.32	58.37	53.99	63.14	37.94
Transportation equipment	71.39	80.85	41.51	104.15	104.51	60.71	57.79	66.15	41.32
Non-ferrous metal products	73.63	85.63	40.21	100.99	101.79	57.75	52.87	63.70	39.67
Electrical apparatus and supplies	64.82	75.51	38.37	96.41	97.51	57.99	52.67	62.06	37.83
Non-metallic mineral products	66.34	76.94	38.61	97.87	98.31	--	50.64	59.17	38.24
Products of petroleum and coal	74.52	81.92	42.72	99.87	101.13	--	56.48	63.15	40.72
Chemicals and allied products	66.37	78.79	40.31	93.97	95.77	55.44	47.81	56.55	39.41
Miscellaneous industries	60.89	75.50	36.73	95.30	97.11	52.44	45.96	56.66	36.20
Province, 1954									
Newfoundland.....	71.39	80.34	37.55	112.28	112.78	--	53.32	60.20	37.01
Prince Edward Island	50.04	58.50	30.60	--	--	--	--	--	--
Nova Scotia	65.91	76.73	35.64	91.04	91.72	--	50.52	61.35	35.17
New Brunswick	66.18	77.96	35.98	96.48	97.32	--	51.71	62.69	35.61
Quebec	76.32	88.64	44.83	107.42	109.13	64.70	58.24	68.80	43.77
Ontario	79.67	93.91	45.88	112.90	114.38	66.15	60.58	73.22	45.09
Manitoba	68.30	79.10	39.67	96.31	97.38	58.43	53.52	63.35	39.00
Saskatchewan.....	63.96	74.68	41.65	85.69	86.34	--	50.57	60.27	41.30
Alberta	74.38	85.34	43.04	103.37	103.80	--	57.01	66.81	42.82
British Columbia	81.81	93.83	45.22	109.02	110.32	60.56	62.40	74.58	44.51
Canada	77.81	90.99	45.00	109.67	111.14	64.89	59.29	70.94	44.16
Industrial group, 1954									
Foods and beverages	70.78	81.40	42.87	93.93	94.68	59.38	54.81	65.06	42.33
Tobacco and tobacco products	79.50	93.84	53.44	105.52	106.59	--	57.85	68.31	51.06
Rubber products	74.07	85.57	43.80	107.27	107.27	--	55.75	64.87	43.24
Leather products	64.44	77.23	38.96	92.00	95.04	51.60	49.26	59.70	37.94
Textile products (except clothing)	72.94	88.28	41.80	107.28	108.98	60.52	51.19	62.10	40.99
Clothing including knitting mills.....	66.24	84.43	41.82	96.56	102.45	55.94	48.30	60.88	40.07
Wood products	74.01	84.81	41.79	101.31	101.97	59.23	56.42	66.58	41.36
Paper products	93.19	109.16	48.45	135.11	136.86	67.43	65.42	78.28	47.70
Printing, publishing and allied industries.....	67.30	83.19	42.14	105.92	108.44	67.64	51.68	63.28	40.92
Iron and steel products	78.30	89.57	44.88	111.19	111.81	67.79	60.52	70.42	44.43
Transportation equipment	84.40	95.28	48.22	119.86	120.40	71.21	69.64	80.01	47.90
Non-ferrous metal products	85.75	97.90	46.53	113.05	114.06	61.79	64.44	77.08	45.96
Electrical apparatus and supplies	78.36	90.46	46.73	111.58	112.43	71.90	63.44	74.58	46.13
Non-metallic mineral products	77.54	89.31	45.01	109.49	110.18	--	58.33	68.21	44.44
Products of petroleum and coal	101.28	116.07	54.20	138.05	142.07	74.81	61.61	69.59	51.13
Chemicals and allied products	79.70	94.51	47.16	107.44	108.94	71.72	56.30	68.97	45.62
Miscellaneous industries	73.34	89.72	44.42	105.69	107.61	62.80	54.06	66.95	43.57

-- Number too small to be significant.

-- Nil.

Distribution of Employees on the Basis of Weekly Earnings. Manufacturers were required to classify their male and female employees into 16 groups of earnings, from \$10 or less to \$100 or more, rising by \$5 intervals from \$10 to \$59.99, and by \$10 intervals from \$60 to \$99.99. The 1950 survey which covered the last pay period in October made available data on the distribution of employees by earnings groups for the first time since the Census of Manufactures survey in January 1944. The data in the two surveys are not strictly comparable, largely because the earlier surveys included establishments employing less than 15 persons and were conducted for a different period of the year. Also the 1944 survey reflected wartime conditions.

Variation in the provincial distribution of employees by amounts earned are obviously related to pay levels, occupational and sex differences, number of casual and part-time workers, and length of the working week in the more important industries in each area. Most of the employees in the low-earnings ranges are casually-employed workers, or those who do not work full time in the week. Part-time work is particularly common among women; the 1952 survey showed that 11.9 p.c. of the female production workers reported in manufacturing worked 30 hours or less, as compared with 4.6 p.c. for men. Short-time or casual work is characteristic of such industries

as fish processing and fruit and vegetable canning, the duration of employment depending on the immediate availability of materials.

The tremendous change in the level of incomes of factory workers since the war is strikingly illustrated in Table 42. Whereas in 1940 only 3 p.c. of male and none of the female production workers received \$50 or more per week, in 1953 these percentages jumped to 78 and 14 respectively. The percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male production workers received less than \$30 per week, in 1953 the percentage declined to 5. For female production workers the percentage in these groups declined from 99 to 38.

For office workers information on the distribution by income groups is only available for 1944, 1950 and 1953. Earnings by office workers, too, advanced to unprecedented heights. The percentage of male office workers receiving \$50 or more per week rose to 88 in 1953 from 39 in 1944, while for females the percentage in 1953 was 25 as compared with none in 1944. Tables 43 and 42 give the distribution by income groups of male and female production workers as well as office workers by provinces and major industrial groups for 1953.

TABLE 42. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-53

Year	Class range											Average weekly earnings
	Under \$10.00	\$10.00 to \$19.99	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
Male production workers:												
1934.....	12	43	32	10	2	1*						20.31
1936.....	10	40	35	11	3	1*						20.92
1940.....	6	29	37	19	6	3*						24.82
1944.....	3	9	25	31	20	9	2	1*				34.95
1950.....	1	2	5	14	26	28	14	6	2	1	1	50.93
1953.....	1	2	2	5	12	21	27	16	7	3	4	62.71
Female production workers:												
1934.....	34	61	4	1	—	—	—	—	—	—	—	11.80
1936.....	30	65	4	1*								12.20
1940.....	23	68	8	1*								13.52
1944.....	10	45	33	10	2							20.89
1950.....	3	16	35	30	12	2	1	—	1	—	—	29.00
1953.....	3	9	26	28	20	10	3	1	--	--	--	35.07
Male office employees:												
1944.....	1	6	13	21	20	15	9	15*				46.24
1950.....	—	1	5	8	13	19	17	12	8	5	12	69.35
1953.....	--	--	2	3	7	11	15	14	13	10	25	86.43
Female office employees:												
1944.....	2	31	52	13	2	—	—	—	—	—	—	23.79
1950.....	—	4	27	43	19	5	1	1	—	—	—	34.38
1953.....	--	2	9	30	34	17	5	2	1	--	--	43.13

* And over.

-- Number too small to be significant.

— Nil.

TABLE 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1953

Province	Class range										Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
	p.c.										\$
Male production workers:											
Newfoundland	8	7	9	14	14	14	12	9	5	8	60.50
Prince Edward Island ¹											42.94
Nova Scotia	3	6	12	19	24	25	6	3	1	1	53.15
New Brunswick	3	7	14	18	20	18	9	5	3	3	54.48
Quebec	1	4	9	16	22	23	12	6	3	4	59.72
Ontario	--	2	4	10	20	29	18	9	4	4	65.00
Manitoba	1	2	6	15	27	31	10	4	2	2	59.21
Saskatchewan	3	2	5	16	30	23	11	7	2	1	58.73
Alberta	1	2	3	14	25	29	15	7	2	2	61.66
British Columbia	2	2	2	5	13	35	22	9	5	5	68.10
Canada	3	2	5	12	21	27	16	7	3	4	62.71
Female production workers:											
Newfoundland	57	31	11	1	--	--	--	--	--	--	20.13
Prince Edward Island ¹											24.02
Nova Scotia	35	45	14	6	--	--	--	--	--	--	23.45
New Brunswick	33	25	28	10	3	1					26.51
Quebec	16	30	27	16	7	3	1	--	--	--	32.67
Ontario	8	20	29	25	13	4	1	--	--	--	37.74
Manitoba	13	34	30	15	6	1	1	--	--	--	31.98
Saskatchewan	10	15	27	28	16	4	--	--	--	--	37.62
Alberta	8	22	25	22	19	3	1	--	--	--	38.45
British Columbia	10	18	25	25	16	5	1	--	--	--	38.28
Canada	12	26	28	20	10	3	1	--	--	--	35.07
Male office employees:											
Newfoundland	1	7	8	12	11	10	12	10	6	23	78.07
Prince Edward Island ¹											64.81
Nova Scotia	--	2	7	15	15	16	12	12	6	15	72.01
New Brunswick	1	4	9	15	12	14	13	8	8	16	73.48
Quebec	--	3	5	8	12	15	13	11	9	24	84.12
Ontario	--	1	3	5	10	15	14	14	11	27	89.28
Manitoba	--	2	5	11	16	17	13	11	8	17	76.47
Saskatchewan	--	2	6	12	17	18	14	10	8	13	71.66
Alberta	1	2	4	8	13	16	16	12	10	18	79.64
British Columbia	--	1	2	5	8	13	14	16	13	28	89.70
Canada	--	2	3	7	11	15	14	13	10	25	86.43
Female office employees:											
Newfoundland	16	23	23	25	8	3	2	--	--	--	34.44
Prince Edward Island ¹											31.15
Nova Scotia	3	25	42	21	7	2	--	--	--	--	35.48
New Brunswick	4	29	39	19	6	2	1	--	--	--	35.25
Quebec	3	12	28	31	17	6	2	1	--	--	42.33
Ontario	2	5	29	36	19	6	2	1	--	--	44.23
Manitoba	1	18	42	24	11	3	1	--	--	--	37.98
Saskatchewan	1	7	41	38	9	3	1	--	--	--	40.16
Alberta	1	7	33	38	16	3	2	--	--	--	42.05
British Columbia	1	7	31	35	17	6	2	1	--	--	43.84
Canada	2	9	30	34	17	5	2	1	--	--	43.13

1. Breakdown by class range not available.

-- Number too small to be significant.

- Nil.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Industrial Group, 1953

Group	Class range										Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
	per cent										\$
Male production workers:											
Foods and beverages	3	4	8	17	25	24	11	4	2	2	56.52
Tobacco and tobacco products	4	2	7	8	23	28	16	8	3	1	61.69
Rubber products	1	1	3	10	24	27	19	8	4	3	64.74
Leather products	8	12	16	24	21	13	5	1	--	--	45.27
Textile products (except clothing)	1	7	18	28	24	12	6	2	1	1	49.28
Clothing (textile and fur)	4	10	14	19	17	14	10	6	3	3	53.33
Wood products	3	5	12	20	21	23	9	4	2	1	54.33
Paper products	--	2	3	6	19	25	18	12	7	8	70.77
Printing, publishing and allied industries	3	5	8	10	8	12	15	15	9	15	71.65
Iron and steel products	--	2	3	8	22	29	19	9	4	4	66.10
Transportation equipment	--	1	2	7	20	39	17	7	3	4	66.11
Non-ferrous metal products	--	1	3	8	16	31	28	9	2	2	66.59
Electrical apparatus and supplies	--	2	3	9	20	27	19	11	5	4	67.24
Non-metallic mineral products	--	2	4	13	27	27	15	7	3	2	62.26
Products of petroleum and coal	--	--	2	2	8	25	25	21	8	9	77.17
Chemicals and allied products	--	1	3	13	24	28	18	7	3	3	63.57
Miscellaneous industries	3	5	11	20	21	18	11	5	3	3	56.37
All groups	3	2	5	12	21	27	16	7	3	4	62.71
Female production workers:											
Foods and beverages	18	27	27	19	7	1	1	--	--	--	32.31
Tobacco and tobacco products	3	11	10	34	25	14	2	1	--	--	46.99
Rubber products	5	10	21	40	18	5	1	--	--	--	41.73
Leather products	22	36	27	11	3	1	--	--	--	--	28.18
Textile products (except clothing)	7	23	37	26	6	1	--	--	--	--	35.34
Clothing (textile and fur)	17	34	28	13	5	2	1	--	--	--	30.94
Wood products	9	21	29	18	15	8	--	--	--	--	38.35
Paper products	8	24	34	23	9	2	--	--	--	--	35.77
Printing, publishing and allied industries	12	25	35	20	5	1	1	1	--	--	34.06
Iron and steel products	3	10	20	34	26	6	1	--	--	--	44.20
Transportation equipment	4	9	15	28	28	13	2	1	--	--	47.00
Non-ferrous metal products	9	23	29	22	12	4	1	--	--	--	36.30
Electrical apparatus and supplies	4	7	19	32	25	9	3	1	--	--	46.05
Non-metallic mineral products	6	22	26	30	12	3	1	--	--	--	38.03
Products of petroleum and coal	7	24	36	23	8	2	--	--	--	--	35.63
Chemicals and allied products	9	31	32	16	9	2	1	--	--	--	34.17
Miscellaneous industries	9	31	32	16	9	2	1	--	--	--	34.17
All groups	12	26	28	20	10	3	1	--	--	--	35.07
Male office employees:											
Foods and beverages	--	2	5	10	14	18	15	12	7	17	78.32
Tobacco and tobacco products	--	--	5	9	13	19	15	12	7	20	86.27
Rubber products	--	1	4	9	11	16	19	15	7	18	82.25
Leather products	--	3	8	13	15	19	14	9	4	15	73.25
Textile products (except clothing)	--	2	5	8	12	17	15	11	4	22	84.77
Clothing (textile and fur)	2	5	7	10	13	14	13	7	6	23	78.81
Wood products	--	2	4	9	14	16	14	11	8	22	81.52
Paper products	--	1	3	5	9	11	12	12	9	38	102.39
Printing, publishing and allied industries	3	5	7	10	11	12	12	10	8	22	78.01
Iron and steel products	--	1	3	7	11	15	15	14	10	24	86.02
Transportation equipment	--	--	2	5	9	13	12	15	15	29	90.20
Non-ferrous metal products	--	1	2	4	6	12	14	17	14	30	93.16
Electrical apparatus and supplies	--	1	2	5	10	15	16	15	12	24	87.17
Non-metallic mineral products	--	1	3	7	14	16	16	12	9	22	85.84
Products of petroleum and coal	--	--	2	5	7	8	12	11	10	45	111.87
Chemicals and allied products	--	1	3	7	11	14	13	14	11	26	88.12
Miscellaneous industries	1	2	4	7	12	15	14	14	8	23	84.11
All groups	--	2	3	7	11	15	14	13	10	25	86.43
Female office employees:											
Foods and beverages	3	9	33	34	15	5	1	--	--	--	41.55
Tobacco and tobacco products	--	7	17	25	39	9	3	--	--	--	49.05
Rubber products	--	8	36	38	14	3	1	--	--	--	41.84
Leather products	5	20	36	24	10	3	2	--	--	--	37.24
Textile products (except clothing)	1	12	37	32	13	3	1	1	--	--	40.87
Clothing (textile and fur)	4	18	30	25	14	5	2	1	--	1	40.18
Wood products	3	13	35	28	15	4	1	1	--	--	40.28
Paper products	1	5	26	34	21	8	4	1	--	--	45.92
Printing, publishing and allied industries	4	13	35	28	12	4	2	1	--	1	40.95
Iron and steel products	1	8	31	36	17	5	1	1	--	--	42.71
Transportation equipment	1	5	22	37	25	7	2	1	--	--	45.93
Non-ferrous metal products	2	6	27	36	20	6	2	--	1	--	44.44
Electrical apparatus and supplies	--	4	28	40	20	6	2	--	--	--	45.04
Non-metallic mineral products	1	6	34	35	16	5	2	--	1	--	43.36
Products of petroleum and coal	1	--	11	35	30	12	5	4	1	1	52.95
Chemicals and allied products	1	4	28	38	19	7	2	1	--	--	44.90
Miscellaneous industries	2	7	31	39	17	3	1	--	--	--	42.08
All groups	2	9	30	34	17	5	2	1	--	--	43.13

1. Information not available.

-- Number too small to be significant.

-- Nil.

Real Earnings of Employees in Recent Years.—When the index number representing the average yearly earnings of production workers is divided by the consumer price index, on the same base, a measure of "real" income is obtained. Index numbers for 1931 to 1954 are given in Table 45. In 1933,

the height of the depression, real earnings were 63.9 on the 1949 base. From then on they rose steadily and stood at 101.5 in 1944, an increase of about 59 p.c. In 1946 real earnings dropped to 94.6 and rose again to 118.8 in 1954.

TABLE 45. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers in the Manufacturing Industries, 1931-54

Year	Payments to production workers	Average number employed	Average yearly earnings	Index numbers (1949=100)		
				Average yearly earnings	Consumer price index	Real value of average yearly earnings
	\$	No.	\$			
1931	415,277,895	437,149	950	46.0	67.9	67.7
1932	322,245,926	381,783	844	40.8	61.7	66.1
1933	296,929,878	382,022	777	37.6	58.8	63.9
1934	355,090,929	427,717	830	40.2	59.6	67.4
1935	399,012,697	458,734	870	42.1	59.9	70.3
1936	438,873,377	489,942	896	43.3	61.1	70.9
1937	525,743,562	544,624	965	46.7	63.0	74.1
1938	498,282,208	521,427	956	46.3	63.7	72.7
1939	519,971,819	533,342	975	47.2	63.2	74.7
1940	679,273,104	626,484	1,084	52.4	65.7	79.8
1941	978,525,782	802,234	1,220	59.0	69.6	84.8
1942	1,347,934,049	974,904	1,383	66.9	72.9	91.8
1943	1,598,434,879	1,047,873	1,525	73.8	74.2	99.5
1944	1,611,555,776	1,030,324	1,564	75.7	74.6	101.5
1945	1,427,915,830	928,665	1,538	74.4	75.0	99.2
1946	1,329,811,478	877,150	1,516	73.3	77.5	94.6
1947	1,611,232,166	940,650	1,713	82.9	84.8	97.8
1948	1,876,773,231	957,491	1,960	94.8	97.0	97.7
1949	1,963,462,720	949,656	2,067	100.0	100.0	100.0
1950	2,078,634,086	952,244	2,183	105.6	102.9	102.6
1951	2,458,566,313	1,010,588	2,434	117.8	113.7	103.6
1952	2,713,714,909	1,025,355	2,647	128.1	116.5	110.0
1953	2,940,338,939	1,053,226	2,792	135.1	115.3	117.0
1954	2,821,586,476	989,030	2,853	138.0	116.2	118.8

Percentages of Salaries and Wages to Net Value of Products.—Table 46 shows the relation between salaries and wages paid by manufacturers and the total net value of production. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met. The percentage of salaries declined steadily with the increasing manufacturing production from 1924 to 1929, while from 1931 to

1935 and again in 1938 and 1939, due to decreased industrial activity, the percentage of salaries to value added was above normal. It should be borne in mind, however, that salaried employees increased 330 p.c. during the period 1917-54 while wage-earners increased 83 p.c. The percentage of wages has fluctuated much less than that of salaries. The number of wage-earning employees may be more rapidly adjusted to the activity of the industry and wage levels likewise may be more readily adjusted to the price levels of the products. Of the increase in the net value of production since 1939 amounting to \$6,371,072,236, \$3,158,876,538 or 49.6 p.c. was passed along in increased salaries and wages.

TABLE 46. Percentages of Salaries and Wages Paid to the Value Added by Manufacture, Significant Years, 1917-54

	Value added by manufacture	Payments to		Percentages		
		Supervisory and office workers	Production workers	Office payments to value added	Production payments to value added	Total payments to value added
	\$	\$	\$	p.c.	p.c.	p.c.
1917	1,281,131,980	85,353,667	412,448,177	6.7	32.2	38.9
1920	1,621,273,348	141,837,361	575,656,515	8.7	35.5	44.2
1921	1,123,694,263	130,094,076	367,305,685	11.6	32.7	44.3
1926	1,305,168,549	142,353,900	483,328,342	10.9	37.0	47.9
1929	1,755,386,937	175,553,710	601,737,507	10.0	34.3	44.3
1933	919,671,181	139,317,946	296,929,878	15.1	32.3	47.4
1937	1,508,924,867	195,983,475	525,743,562	13.0	34.8	47.8
1939	1,531,051,901	217,839,334	519,971,819	14.2	34.0	48.2
1944	4,015,776,010	419,065,594	1,611,555,776	10.4	40.2	50.6
1945	3,564,315,899	417,857,619	1,427,915,830	11.7	40.1	51.8
1946	3,467,004,980	410,875,776	1,329,811,478	11.8	38.4	50.2
1947	4,292,055,802	474,693,800	1,611,232,166	11.0	37.6	48.6
1948	4,938,786,981	532,594,959	1,876,773,231	10.8	38.0	48.8
1949	5,330,566,434	628,427,937	1,963,462,720	11.8	36.8	48.6
1950	5,942,058,229	692,633,349	2,078,634,086	11.6	35.0	46.6
1951	6,940,946,783	816,714,604	2,459,566,313	11.8	35.4	47.2
1952	7,443,533,199	923,905,251	2,713,714,909	12.4	36.5	48.9
1953	7,993,069,351	1,016,679,409	2,940,338,939	12.7	36.8	49.5
1954	7,902,124,137	1,075,101,215	2,821,586,476	13.6	35.7	49.3

1. Equivalent to "net value of products", see footnote 1, Table 1.

Subsection 6. Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flour-milling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale.

Size as Measured by Gross Value of Products.—While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c. of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929

had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments—a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1944 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total. With increased prices and an expansion in the physical volume of production during 1947 to 1954, establishments with a production of \$1,000,000 or over increased to 2,525 while their contribution to the total output rose to 78 p.c.

TABLE 47. Manufacturing Establishments Classified According to Gross Value of Products 1929, 1939, 1944 and 1954

Group of gross values	1929 ¹			1939 ²		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$25,000.....	14,024	106,735,470	7,611	15,623	120,903,054	7,739
\$ 25,000 but under \$ 50,000.....	2,802	99,529,725	35,521	2,803	99,558,383	35,519
50,000 " 100,000.....	2,209	156,308,744	70,760	2,215	156,410,769	70,614
100,000 " 200,000.....	1,688	237,532,492	140,718	1,584	225,582,130	142,413
200,000 " 500,000.....	1,519	504,218,217	331,941	1,285	360,626,844	303,990
500,000 " 1,000,000.....	636	443,597,677	697,481	689	466,441,130	676,983
1,000,000 " 5,000,000.....	601	1,217,866,089	2,026,400	520	1,091,293,939	2,098,642
5,000,000 and over.....	118	1,298,186,865	11,001,685	81	923,724,311	11,404,004
Totals and averages.....	23,597	4,063,987,279	172,225	24,800	3,474,540,560	140,102
	1944			1954 ³		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$25,000.....	13,942	128,782,147	9,237	15,734	145,633,669	9,256
\$ 25,000 but under \$ 50,000.....	4,011	143,023,914	35,658	5,278	189,699,244	35,942
50,000 " 100,000.....	3,442	245,273,500	71,259	4,705	337,580,457	71,749
100,000 " 200,000.....	2,513	355,235,489	141,359	4,070	577,543,265	141,903
200,000 " 500,000.....	2,256	714,546,348	316,731	3,833	1,209,151,102	315,458
500,000 " 1,000,000.....	943	661,670,696	701,666	1,883	1,390,925,128	738,675
1,000,000 " 5,000,000.....	1,089	2,294,546,053	2,107,021	1,958	4,065,420,589	2,076,313
5,000,000 and over.....	287	4,530,614,372	15,786,113	567	9,638,574,050	16,999,249
Totals and averages.....	28,483	9,073,692,519	318,565	38,028	17,554,527,504	461,621

1. Includes central electric stations and dyeing, cleaning and laundry establishments.

2. Exclusive of Yukon and the Northwest Territories.

3. The figures for 1954 are "value of factory shipments" and not "production". They also include Newfoundland.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1954

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Under \$10,000.....	9,407	13,847	14,331,317	1,448,389	18,879,415	40,407,059
\$ 10,000 to \$ 24,999.....	6,327	20,861	34,697,750	2,997,986	47,926,728	105,226,610
25,000 " 49,999.....	5,278	30,990	61,315,402	4,676,728	89,404,432	189,699,244
50,000 " 99,999.....	4,705	46,864	104,379,619	7,264,480	165,883,381	337,580,457
100,000 " 199,999.....	4,070	66,389	161,491,553	11,235,813	301,101,515	577,543,265
200,000 " 499,999.....	3,833	127,589	324,972,158	20,001,651	619,406,872	1,209,151,102
500,000 " 999,999.....	1,883	123,589	336,286,051	28,393,199	704,098,854	1,390,925,128
1,000,000 " 4,999,999.....	1,958	328,118	993,041,868	73,230,277	2,061,070,276	4,065,420,589
5,000,000 and over.....	567	493,912	1,792,106,924	275,164,855	5,234,086,081	9,638,574,050
Head Offices.....	—	15,807	74,065,049	18,850	—	—
Totals.....	38,028	1,267,966	3,896,687,691	424,432,228	9,241,857,554	17,554,527,504

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1954 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Under \$10,000	1,112	1,766	2,825,427	340,620	2,751,945	5,257,198
\$ 10,000 to \$ 24,999	1,350	4,149	5,760,330	1,018,658	12,693,063	22,668,389
25,000 " 49,999	1,338	6,205	10,299,874	1,730,246	30,057,332	47,982,449
50,000 " 99,999	1,245	8,509	16,037,325	2,599,701	59,381,132	90,297,074
100,000 " 199,999	1,166	11,596	23,186,370	3,835,784	115,563,720	164,409,103
200,000 " 499,999	893	18,228	40,816,264	5,905,930	186,650,889	277,954,749
500,000 " 999,999	404	18,579	46,241,594	5,501,814	178,823,607	285,058,395
1,000,000 " 4,999,999	454	52,521	145,744,875	15,113,051	586,857,651	963,564,380
5,000,000 and over	128	54,390	178,413,878	15,128,537	1,161,387,287	1,705,355,007
Head Offices ¹	—	1,940	7,732,791	18,850	—	—
Totals	8,090	177,883	477,058,728	51,193,191	2,334,166,626	3,562,546,744
Tobacco and tobacco products:						
Under \$10,000	14	20	19,451	1,943	30,181	60,417
\$ 10,000 to \$ 24,999	5	19	24,190	1,775	38,778	75,616
25,000 " 49,999	4	36	60,365	4,114	45,065	122,958
50,000 " 99,999	2	79	132,234	15,667	251,316	489,158
100,000 " 199,999	2	—	—	—	—	—
200,000 " 499,999	5	430	780,233	34,707	2,239,883	3,497,678
500,000 " 999,999	2	—	—	—	—	—
1,000,000 " 4,999,999	6	972	2,100,913	68,596	7,779,557	11,938,414
5,000,000 and over	13	7,909	24,737,219	561,934	134,575,989	209,156,735
Head Offices ¹	—	5	14,334	—	—	—
Totals	53	9,469	27,868,939	688,736	144,960,769	225,340,976
Rubber goods:						
Under \$10,000	7	21	36,065	4,267	19,327	75,714
\$ 10,000 to \$ 24,999	2	—	—	—	—	—
25,000 " 49,999	4	28	67,573	10,118	54,401	172,182
50,000 " 99,999	6	140	312,364	27,112	147,987	428,450
100,000 " 199,999	8	139	399,146	42,277	447,645	1,136,779
200,000 " 499,999	11	439	1,148,258	93,780	1,552,831	3,739,392
500,000 " 999,999	6	500	1,290,051	51,037	1,655,393	4,247,081
1,000,000 " 4,999,999	16	4,648	13,539,348	805,223	17,218,458	40,569,574
5,000,000 and over	13	14,929	50,477,600	2,965,984	85,405,816	213,815,615
Head Offices ¹	—	50	206,000	—	—	—
Totals	73	20,894	67,476,405	3,999,798	106,501,858	264,184,787
Leather products:						
Under \$10,000	82	141	162,749	11,797	191,881	434,328
\$ 10,000 to \$ 24,999	74	264	456,963	24,673	584,440	1,240,662
25,000 " 49,999	81	615	1,089,893	42,547	1,397,704	3,023,147
50,000 " 99,999	103	1,525	2,861,274	78,834	3,610,270	7,511,912
100,000 " 199,999	100	2,658	5,400,603	163,158	7,226,766	15,378,754
200,000 " 499,999	116	6,020	12,461,786	323,724	17,803,845	37,096,849
500,000 " 999,999	64	7,259	15,749,116	298,758	21,552,455	45,651,845
1,000,000 " 4,999,999	51	—	—	—	—	—
5,000,000 and over	2	12,266	28,979,373	1,122,256	48,883,492	96,175,315
Totals	673	30,748	67,161,757	2,065,747	101,250,853	206,512,812
Textile mills:						
Under \$10,000	106	275	991,917	69,770	398,715	533,059
\$ 10,000 to \$ 24,999	127	515	841,124	42,851	899,261	2,190,772
25,000 " 49,999	136	1,101	2,103,310	105,660	1,667,633	4,855,083
50,000 " 99,999	136	1,700	3,558,983	141,009	3,862,137	9,683,181
100,000 " 199,999	120	2,159	4,889,346	308,392	8,915,706	17,431,640
200,000 " 499,999	126	4,502	10,458,036	721,215	22,536,773	40,805,655
500,000 " 999,999	91	6,121	15,314,024	1,017,546	38,513,890	64,593,159
1,000,000 " 4,999,999	112	23,396	60,941,015	4,368,306	138,023,315	238,987,743
5,000,000 and over	21	22,586	61,431,437	5,471,236	135,296,274	261,789,755
Head Offices ¹	—	2,226	9,666,948	—	—	—
Totals	975	64,581	170,196,140	12,245,985	350,113,694	640,870,047
Knitting mills:						
Under \$10,000	14	35	32,721	2,661	43,768	82,222
\$ 10,000 to \$ 24,999	19	91	117,822	3,708	145,371	333,112
25,000 " 49,999	21	140	271,348	9,054	337,952	778,367
50,000 " 99,999	37	659	1,073,332	38,030	1,181,638	2,568,489
100,000 " 199,999	48	1,072	2,148,940	76,241	3,448,466	6,783,248
200,000 " 499,999	73	3,511	7,151,415	302,792	11,697,843	23,977,107
500,000 " 999,999	40	3,704	7,662,840	359,773	13,701,555	27,148,878
1,000,000 " 4,999,999	44	—	—	—	—	—
5,000,000 and over	1	12,129	27,650,605	1,056,567	39,562,232	89,147,150
Head Offices ¹	—	281	1,468,812	—	—	—
Totals	297	21,622	47,577,835	1,948,826	70,118,825	150,818,573

1. Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1954 - Continued

Industrial group, by size	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Clothing (textile and fur):						
Under \$10,000	170	393	453,486	18,073	388,595	1,041,589
\$ 10,000 to \$ 24,999	293	1,443	2,138,287	73,433	2,044,349	5,095,625
25,000 " 49,999	371	3,079	5,384,672	128,314	5,842,314	13,707,560
50,000 " 99,999	482	6,503	13,065,609	300,302	16,045,793	35,234,941
100,000 " 199,999	522	10,905	23,104,319	440,757	37,859,096	74,247,112
200,000 " 499,999	564	22,739	49,146,348	754,216	91,642,192	174,323,106
500,000 " 999,999	229	19,473	42,299,958	528,821	83,199,540	155,350,529
1,000,000 " 4,999,999	100	24,951	54,912,353	637,594	102,937,538	191,714,083
5,000,000 and over	2	—	—	—	—	—
Head Offices ¹	—	207	989,843	—	—	—
Totals	2,733	89,693	191,494,875	2,881,510	339,959,417	650,714,545
Wood products:						
Under \$10,000	5,350	7,795	5,903,622	635,536	10,230,020	21,574,527
\$ 10,000 to \$ 24,999	2,282	6,855	10,132,282	860,673	18,236,437	37,041,460
25,000 " 49,999	1,545	8,269	14,955,986	1,199,224	27,536,272	54,805,272
50,000 " 99,999	1,094	10,612	21,757,553	1,692,508	39,300,321	77,150,330
100,000 " 199,999	732	12,591	28,225,515	2,012,261	51,939,834	103,468,198
200,000 " 499,999	669	22,951	58,548,139	3,148,002	109,526,623	211,484,890
500,000 " 999,999	279	17,928	49,551,693	2,367,739	104,039,570	193,565,632
1,000,000 " 4,999,999	196	28,160	84,516,240	3,518,630	177,181,826	337,574,837
5,000,000 and over	18	12,721	43,659,828	1,073,245	85,765,850	169,294,959
Head Offices ¹	—	1,049	4,871,356	—	—	—
Totals	12,165	128,931	323,122,214	16,507,818	623,756,753	1,205,959,905
Paper products:						
Under \$10,000	21	40	46,095	4,595	37,059	98,967
\$ 10,000 to \$ 24,999	22	88	170,497	9,134	153,557	357,826
25,000 " 49,999	39	264	533,143	26,564	636,892	1,421,133
50,000 " 99,999	52	601	1,288,865	55,684	1,959,821	4,044,083
100,000 " 199,999	62	1,077	2,436,130	145,972	4,242,854	8,670,669
200,000 " 499,999	97	3,291	8,053,136	534,659	15,689,120	31,305,764
500,000 " 999,999	65	3,860	11,216,770	1,189,575	24,358,623	47,723,955
1,000,000 " 4,999,999	132	19,035	60,847,454	7,416,877	170,947,051	303,558,836
5,000,000 and over	79	56,321	230,387,712	78,897,580	524,007,332	1,232,981,368
Head Offices ¹	—	2,793	16,576,224	—	—	—
Totals	569	87,370	331,556,026	88,280,640	742,032,309	1,630,162,601
Printing, publishing and allied industries:						
Under \$10,000	1,452	1,583	1,795,262	114,456	2,976,806	5,848,275
\$ 10,000 to \$ 24,999	938	3,181	6,008,476	245,940	6,076,624	15,396,236
25,000 " 49,999	658	4,254	10,159,224	296,876	8,079,023	23,598,901
50,000 " 99,999	460	4,976	13,711,588	359,487	11,362,093	32,546,953
100,000 " 199,999	305	6,128	17,886,844	395,357	13,644,636	42,175,391
200,000 " 499,999	219	9,084	28,903,244	614,105	21,049,640	68,610,795
500,000 " 999,999	99	8,593	28,229,782	606,542	19,248,241	66,991,679
1,000,000 " 4,999,999	83	18,856	64,930,321	1,177,221	61,030,650	183,248,221
5,000,000 and over	14	11,855	48,123,955	803,110	45,257,917	138,938,900
Head Offices ¹	—	104	527,293	—	—	—
Totals	4,227	68,614	220,275,989	4,613,094	188,725,630	577,355,291
Iron and steel products:						
Under \$10,000	234	347	645,870	54,161	340,021	1,340,774
\$ 10,000 to \$ 24,999	409	1,603	3,645,695	244,657	2,239,404	7,743,342
25,000 " 49,999	460	2,708	6,694,642	359,221	4,583,597	14,626,467
50,000 " 99,999	435	4,885	13,774,307	732,975	10,611,028	31,282,460
100,000 " 199,999	372	7,237	23,522,798	1,176,388	21,645,202	53,612,486
200,000 " 499,999	369	13,161	41,330,794	727,205	42,347,127	106,897,654
500,000 " 999,999	197	9,926	30,999,087	2,098,619	58,653,783	138,309,206
1,000,000 " 4,999,999	277	55,199	190,784,572	9,445,014	229,784,567	562,397,812
5,000,000 and over	71	78,082	291,638,729	30,896,800	459,032,960	1,038,020,763
Head Offices ¹	—	550	2,490,035	—	—	—
Totals	2,801	173,698	605,526,529	45,735,040	829,237,679	1,954,230,964
Transportation equipment:						
Under \$10,000	118	204	280,010	17,163	174,902	523,607
\$ 10,000 to \$ 24,999	71	259	538,894	29,798	435,495	1,148,132
25,000 " 49,999	57	999	945,034	43,668	792,597	2,063,874
50,000 " 99,999	67	790	2,120,655	89,622	1,860,407	4,848,255
100,000 " 199,999	65	1,383	4,123,334	230,766	3,579,723	9,727,529
200,000 " 499,999	53	2,208	7,041,550	388,021	6,785,588	17,414,353
500,000 " 999,999	51	3,706	11,846,471	444,999	15,934,934	34,914,328
1,000,000 " 4,999,999	67	16,466	56,042,335	2,112,207	65,049,669	149,306,446
5,000,000 and over	53	107,975	395,937,779	14,099,238	892,107,966	1,494,016,461
Head Offices ¹	—	42	203,688	—	—	—
Totals	502	133,432	479,079,750	17,455,482	986,721,281	1,713,962,985

1. Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1954 - Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Non-ferrous metal products:						
Under \$10,000	67	121	217,317	20,642	211,357	353,422
\$ 10,000 to \$ 24,999	89	320	660,280	70,909	651,940	1,532,496
25,000 " 49,999	68	427	917,051	43,053	1,132,275	2,486,535
50,000 " 99,999	78	859	2,128,366	101,422	2,433,683	5,610,160
100,000 " 199,999	79	1,508	4,342,326	236,847	5,208,236	11,160,438
200,000 " 499,999	81	3,127	8,822,206	398,585	11,790,842	25,575,100
500,000 " 999,999	34	2,104	6,616,218	368,773	11,328,264	23,924,949
1,000,000 " 4,999,999	50	9,627	32,019,327	2,588,711	60,590,715	121,413,736
5,000,000 and over	27	31,581	122,826,602	56,462,327	624,618,761	1,071,717,981
Head Offices ¹	—	820	3,641,628	—	—	—
Totals	573	50,494	182,191,321	60,291,269	717,966,073	1,263,774,817
Electrical apparatus and supplies:						
Under \$10,000	30	56	77,980	4,089	58,063	128,872
\$ 10,000 to \$ 24,999	39	117	236,075	12,222	320,312	666,345
25,000 " 49,999	39	256	612,129	23,187	645,680	1,479,158
50,000 " 99,999	38	429	993,237	36,103	1,211,641	2,754,838
100,000 " 199,999	48	843	2,191,209	76,037	3,047,725	6,769,975
200,000 " 499,999	91	3,075	7,996,169	296,716	14,848,835	29,714,374
500,000 " 999,999	43	2,915	8,457,444	307,727	14,643,923	29,617,945
1,000,000 " 4,999,999	88	17,196	54,811,300	1,854,174	89,526,686	198,258,516
5,000,000 and over	41	49,244	178,818,790	4,813,471	272,280,562	594,552,121
Head Offices ¹	—	944	4,315,268	—	—	—
Totals	457	75,075	258,509,601	7,423,726	396,583,427	863,942,144
Non-metallic mineral products:						
Under \$10,000	217	356	453,234	69,692	351,676	1,025,895
\$ 10,000 to \$ 24,999	209	765	1,410,651	177,470	1,330,547	3,529,726
25,000 " 49,999	174	1,134	2,516,394	336,394	2,114,261	6,354,748
50,000 " 99,999	130	1,338	3,245,065	465,336	3,431,249	9,239,006
100,000 " 199,999	127	2,196	5,999,942	1,155,893	6,290,635	17,980,590
200,000 " 499,999	129	4,097	12,389,131	2,871,217	13,271,371	40,588,877
500,000 " 999,999	79	4,699	15,334,433	3,915,104	19,479,122	56,712,699
1,000,000 " 4,999,999	78	10,873	38,125,985	13,532,485	56,443,187	163,862,334
5,000,000 and over	17	8,948	31,902,564	13,714,749	42,408,278	135,914,125
Head Offices ¹	—	823	3,471,680	—	—	—
Totals	1,160	35,229	114,849,079	36,238,340	145,120,516	435,208,000
Products of petroleum and coal:						
Under \$10,000	1	16	40,098	6,374	34,415	82,739
\$ 10,000 to \$ 24,999	4	48	100,019	8,500	117,834	262,083
25,000 " 49,999	7	51	145,407	49,893	238,224	544,007
50,000 " 99,999	8	66	202,327	35,226	634,957	1,203,346
100,000 " 199,999	13	258	854,117	68,191	1,753,423	4,003,277
200,000 " 499,999	10	321	1,071,042	201,298	3,564,642	6,949,099
500,000 " 999,999	19	1,381	4,814,076	1,870,119	23,712,762	40,045,911
1,000,000 " 4,999,999	34	13,354	53,624,689	35,155,621	595,355,128	967,820,886
5,000,000 and over	—	2,064	8,829,950	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	104	17,559	69,681,725	37,395,222	625,411,385	1,020,911,348
Chemicals and allied products:						
Under \$10,000	164	334	570,931	26,366	288,337	759,391
\$ 10,000 to \$ 24,999	119	340	675,537	53,658	708,255	1,918,971
25,000 " 49,999	106	513	1,127,359	84,492	1,618,629	3,801,702
50,000 " 99,999	124	914	2,488,862	173,619	3,649,856	8,885,719
100,000 " 199,999	134	1,521	4,338,611	311,231	8,026,202	19,520,169
200,000 " 499,999	162	4,049	12,955,501	2,214,346	26,122,402	61,776,109
500,000 " 999,999	136	9,375	32,781,967	8,662,409	75,815,244	168,022,152
1,000,000 " 4,999,999	140	15,110	51,702,320	6,252,361	169,024,705	323,023,345
5,000,000 and over	31	17,802	62,509,291	14,454,765	151,797,461	347,787,322
Head Offices ¹	—	1,645	8,161,601	—	—	—
Totals	1,116	51,603	177,311,960	32,213,247	437,051,091	935,724,880
Miscellaneous industries:						
Under \$10,000	248	367	631,970	51,400	396,866	1,309,935
\$ 10,000 to \$ 24,999	244	829	1,826,065	123,211	1,324,376	4,164,028
25,000 " 49,999	224	1,515	3,477,386	225,496	2,744,981	8,157,625
50,000 " 99,999	208	2,331	5,740,190	315,715	5,521,986	14,774,450
100,000 " 199,999	172	3,273	8,038,196	584,687	9,202,721	23,554,889
200,000 " 499,999	162	6,564	16,396,307	615,246	23,480,096	52,134,941
500,000 " 999,999	55	4,381	11,343,105	461,659	18,203,627	40,164,029
1,000,000 " 4,999,999	45	11,547	37,398,001	977,143	41,304,715	108,046,188
5,000,000 and over	2	—	897,598	—	—	—
Head Offices ¹	—	264	—	—	—	—
Totals	1,360	31,071	85,748,818	3,354,557	102,179,368	252,306,085

1. Under this heading are included only those head offices which are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1954

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1. Pulp and paper:						
\$ 25,000 to \$ 49,999.....	1	89	191,384	49,401	235,137	602,011
100,000 " 49,999.....	4					
200,000 " 99,999.....	8	307	773,432	241,643	745,525	2,608,775
500,000 " 999,999.....	14	371	2,803,118	835,300	4,378,600	10,416,966
1,000,000 " 4,999,999.....	31	5,567	19,138,856	5,542,725	42,472,082	87,981,348
5,000,000 and over.....	67	51,741	215,162,180	78,221,717	467,426,251	1,139,949,351
Head Offices ¹	—	2,262	14,529,413	—	—	—
Totals.....	125	60,837	252,598,383	84,890,786	515,257,595	1,241,558,451
2. Non-ferrous metal smelting and refining:						
\$ 10,000 to \$ 24,999.....	1					
100,000 " 99,999.....	1	801	2,892,442	949,744	4,534,796	9,126,757
1,000,000 " 4,999,999.....	3					
5,000,000 and over.....	17	25,247	99,703,528	54,275,643	510,780,859	913,452,241
Totals.....	22	26,048	102,595,970	55,225,387	515,315,655	922,578,998
3. Petroleum products:						
Under \$25,000.....	3	8	18,163	5,397	16,932	41,864
\$ 25,000 to \$ 49,999.....	5	35	78,091	7,630	59,881	181,200
50,000 " 99,999.....	4	24	80,874	35,687	110,526	258,266
100,000 " 199,999.....	1	90	319,185	23,050	908,979	1,778,082
200,000 " 499,999.....	5					
500,000 " 999,999.....	4	75	248,005	65,157	2,103,039	2,786,356
1,000,000 " 4,999,999.....	13	577	2,044,542	725,179	16,363,613	25,258,363
5,000,000 and over.....	26	9,606	40,741,998	30,353,280	548,978,707	878,948,383
Head Offices ¹	—	2,061	8,785,350	—	—	—
Totals.....	61	12,476	52,316,208	31,215,380	568,541,677	909,252,514
4. Slaughtering and meat packing:						
\$ 10,000 to \$ 24,999.....	1					
25,000 " 49,999.....	1	45	99,277	20,156	559,678	707,244
50,000 " 99,999.....	10					
100,000 " 199,999.....	12	108	263,742	42,117	1,531,215	1,930,354
200,000 " 499,999.....	32	387	896,982	113,233	8,114,680	10,238,046
500,000 " 999,999.....	19	446	1,069,733	159,928	11,335,625	14,070,908
1,000,000 " 4,999,999.....	36	2,032	6,487,692	459,933	69,203,522	81,388,955
5,000,000 and over.....	43	19,981	69,881,664	3,864,486	583,407,201	729,172,973
Totals.....	154	22,999	78,699,090	4,659,853	674,151,921	837,508,480
5. Motor vehicles:						
\$ 100,000 to \$ 199,999.....	1					
500,000 " 999,999.....	5	293	951,022	33,800	2,228,328	3,513,148
1,000,000 " 4,999,999.....	10	2,063	7,251,366	422,146	19,990,888	89,382,031
5,000,000 and over.....	4	25,593	97,860,051	3,866,790	455,090,159	573,391,363
Totals.....	20	27,949	106,062,439	4,322,736	477,309,375	666,286,542
6. Sawmills:						
Under \$10,000.....	3,842	5,632	3,191,958	388,716	7,635,470	14,959,073
\$ 10,000 to \$ 24,999.....	1,428	4,090	4,799,442	475,459	12,385,184	23,359,957
25,000 " 49,999.....	961	4,728	7,389,314	677,088	18,159,566	33,993,646
50,000 " 99,999.....	656	5,699	10,437,316	901,787	24,441,737	45,909,993
100,000 " 199,999.....	383	5,772	13,259,785	1,086,901	27,109,607	53,636,057
200,000 " 499,999.....	246	7,025	18,114,053	1,086,833	37,891,985	74,784,562
500,000 " 999,999.....	92	4,948	15,231,940	874,479	32,188,239	63,986,373
1,000,000 " 4,999,999.....	75	9,203	31,180,055	1,331,345	74,560,535	136,293,238
5,000,000 and over.....	13	9,182	32,310,997	636,083	66,746,047	125,263,599
Head Offices ¹	—	731	3,656,671	—	—	—
Totals.....	7,696	57,010	139,571,531	7,438,671	301,118,370	572,186,498
7. Butter and cheese:						
Under \$10,000.....	19	20	13,457	3,132	106,859	124,818
\$ 10,000 to \$ 24,999.....	74	96	115,428	32,824	1,195,642	1,370,788
25,000 " 49,999.....	194	334	473,825	121,459	6,372,264	7,214,334
50,000 " 99,999.....	309	923	1,480,024	362,383	20,087,415	22,863,006
100,000 " 199,999.....	309	2,058	4,084,889	956,256	51,192,970	59,582,271
200,000 " 499,999.....	301	3,522	8,026,656	1,723,102	73,329,036	91,332,938
500,000 " 999,999.....	86	2,849	7,411,498	1,166,312	42,832,929	59,200,758
1,000,000 " 4,999,999.....	68	7,980	23,840,089	2,655,737	83,903,618	129,305,475
5,000,000 and over.....	6	2,817	9,575,960	836,584	25,815,438	41,190,942
Totals.....	1,467	20,599	55,021,826	7,857,789	304,836,171	412,205,330

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1954 - Continued

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
8. Primary iron and steel:						
Under \$10,000	1	30	103,911	12,618	65,922	127,391
\$ 50,000 to \$ 99,999	2					
100,000 " 199,999	5	142	514,386	44,121	236,414	847,602
200,000 " 499,999	8	387	1,358,463	328,567	538,596	2,361,010
500,000 " 999,999	10	1,046	3,485,428	378,213	2,103,901	7,214,047
1,000,000 " 4,999,999	14	2,356	8,804,778	2,042,149	13,383,143	29,876,976
5,000,000 and over	11	24,884	94,467,537	20,924,793	128,782,374	342,727,170
Head Offices ¹	—	16	82,927	—	—	—
Totals	51	28,861	108,817,430	23,730,461	145,110,350	383,154,196
9. Aircraft and parts:						
Under \$10,000	2	23	62,168	3,611	27,918	98,735
\$ 25,000 to \$ 49,999	2					
50,000 " 99,999	8	95	295,172	8,187	105,027	555,498
100,000 " 199,999	6	126	451,803	15,345	198,527	830,050
200,000 " 499,999	8	373	1,353,783	29,408	359,920	2,660,064
500,000 " 999,999	3	180	712,469	10,847	874,582	2,138,863
1,000,000 " 4,999,999	9	3,474	12,308,035	296,863	7,031,366	24,164,061
5,000,000 and over	9	30,824	120,680,060	2,371,127	150,296,145	312,563,559
Totals	47	35,095	135,863,490	2,735,388	158,893,485	343,010,830
10. Miscellaneous food preparations:						
Under \$10,000	33	49	40,796	6,028	81,925	146,047
\$ 10,000 to \$ 24,999	32	89	121,555	15,830	298,905	542,810
25,000 " 49,999	32	151	295,091	23,059	591,636	1,115,792
50,000 " 99,999	37	257	531,883	48,429	1,660,714	2,776,861
100,000 " 199,999	47	494	1,097,381	93,683	4,131,936	6,449,397
200,000 " 499,999	47	836	1,957,838	215,591	9,757,442	15,097,870
500,000 " 999,999	42	1,559	3,966,326	310,131	19,343,366	28,991,582
1,000,000 " 4,999,999	50	3,648	9,887,667	1,132,747	83,620,797	116,157,003
5,000,000 and over	13	2,629	8,534,073	1,378,290	93,708,187	135,173,932
Head Offices ¹	—	419	2,029,656	—	—	—
Totals	333	10,131	28,462,266	3,223,788	213,194,908	306,451,294
11. Railway rolling stock:						
\$ 50,000 to \$ 99,999	1					
100,000 " 199,999	2	128	399,212	122,966	817,952	948,729
200,000 " 499,999	2					
500,000 " 999,999	5	545	1,526,759	96,566	1,663,147	3,764,134
1,000,000 " 4,999,999	9	2,542	8,273,878	307,764	7,733,610	18,105,371
5,000,000 and over	17	25,999	86,662,595	3,915,349	152,004,878	260,580,333
Totals	36	29,214	96,862,444	4,442,645	162,219,587	283,398,567
12. Bread and other bakery products:						
Under \$10,000	425	728	740,763	158,336	1,283,927	2,567,179
\$ 10,000 to \$ 24,999	865	2,664	4,060,967	702,099	7,231,442	14,381,848
25,000 " 49,999	587	3,203	5,857,765	875,082	10,532,359	20,463,353
50,000 " 99,999	344	3,324	7,157,652	905,164	11,819,413	24,002,578
100,000 " 199,999	155	2,802	6,325,537	733,430	10,275,378	21,075,228
200,000 " 499,999	102	4,040	9,704,998	1,110,422	14,921,425	32,408,303
500,000 " 999,999	54	4,091	11,307,388	1,195,558	17,641,472	38,600,216
1,000,000 " 4,999,999	47	10,200	30,004,067	2,794,383	42,963,272	95,877,146
5,000,000 and over	5	2,831	8,645,725	744,243	14,450,926	30,831,943
Totals	2,584	33,883	83,804,862	9,218,717	131,119,614	280,207,889
13. Miscellaneous electrical apparatus and supplies:						
Under \$10,000	12	15	13,710	960	19,840	45,627
\$ 10,000 to \$ 24,999	13	38	81,921	3,787	93,177	224,449
25,000 " 49,999	11	70	211,554	6,568	167,951	451,560
50,000 " 99,999	13	154	367,763	14,591	380,113	901,484
100,000 " 199,999	19	299	758,052	31,033	1,317,025	2,634,122
200,000 " 499,999	31	1,043	2,743,645	127,885	5,352,628	10,494,708
500,000 " 999,999	17	1,014	3,175,273	136,439	6,737,215	12,434,356
1,000,000 " 4,999,999	32	5,812	18,236,922	800,966	32,594,232	72,658,680
5,000,000 and over	9	14,941	55,545,001	1,301,803	76,493,993	167,729,437
Head Offices ¹	—	238	1,118,737	—	—	—
Totals	157	23,624	82,252,578	2,424,032	123,156,174	267,574,423

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1954 - Continued

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
14. Rubber goods; including footwear:						
Under \$10,000	7	21	36,065	4,267	19,327	75,714
\$ 10,000 to \$ 24,999	2	28	67,573	10,118	54,401	172,182
25,000 " 49,999	4	140	312,364	27,112	147,987	428,450
50,000 " 99,999	6	139	399,146	42,277	447,645	1,136,779
100,000 " 199,999	11	439	1,148,258	93,780	1,552,831	3,739,392
200,000 " 499,999	6	500	1,290,051	51,037	1,655,393	4,247,081
500,000 " 999,999	16	4,648	13,539,348	805,223	17,218,458	40,569,574
1,000,000 " 4,999,999	13	14,929	50,477,600	2,965,984	85,405,816	213,815,615
5,000,000 and over	—	50	206,000	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	73	20,894	67,476,405	3,999,798	106,501,858	264,184,787
15. Printing and publishing:						
Under \$10,000	169	300	509,083	44,433	224,280	1,016,528
\$ 10,000 to \$ 24,999	195	786	1,732,911	99,637	640,706	3,227,361
25,000 " 49,999	157	1,209	3,018,174	121,453	1,035,096	5,695,547
50,000 " 99,999	98	1,397	3,577,435	126,832	1,434,854	6,863,531
100,000 " 199,999	53	1,320	3,567,640	109,503	1,445,194	7,292,378
200,000 " 499,999	44	2,283	6,646,803	181,699	2,533,480	13,896,285
500,000 " 999,999	40	3,797	11,907,895	283,770	6,332,879	28,057,863
1,000,000 " 4,999,999	33	8,280	28,104,627	563,886	20,417,824	76,097,844
5,000,000 and over	11	9,983	41,236,048	722,759	37,582,632	114,552,300
Head Offices ¹	—	46	174,011	—	—	—
Totals	800	29,401	100,474,627	2,253,972	71,646,945	256,699,637
16. Men's factory clothing:						
Under \$10,000	23	56	53,422	2,211	59,985	131,244
\$ 10,000 to \$ 24,999	32	153	171,127	9,743	278,183	554,670
25,000 " 49,999	43	211	389,715	9,259	957,793	1,663,784
50,000 " 99,999	80	925	1,651,045	44,741	3,275,167	6,046,870
100,000 " 199,999	122	2,326	4,515,950	85,313	10,061,997	17,481,731
200,000 " 499,999	162	6,166	12,554,613	222,504	28,973,390	50,840,429
500,000 " 999,999	67	5,894	11,891,966	157,723	27,337,442	47,988,483
1,000,000 " 4,999,999	52	15,961	35,413,619	382,160	61,088,209	115,683,074
5,000,000 and over	1	—	—	—	—	—
Head Offices ¹	—	194	937,257	—	—	—
Totals	582	31,886	67,578,714	913,654	132,032,166	240,390,285
17. Motor vehicle parts:						
Under \$10,000	9	18	34,982	2,351	13,773	49,406
\$ 10,000 to \$ 24,999	18	67	154,665	9,413	104,953	306,878
25,000 " 49,999	20	114	296,807	14,015	302,450	712,118
50,000 " 99,999	24	273	731,186	41,188	696,089	1,705,276
100,000 " 199,999	30	550	1,642,938	91,429	1,651,477	4,514,136
200,000 " 499,999	20	645	1,953,604	120,693	2,811,344	6,260,976
500,000 " 999,999	21	1,136	3,518,410	148,351	7,510,527	14,073,426
1,000,000 " 4,999,999	26	4,624	16,098,026	780,951	26,577,506	55,144,092
5,000,000 and over	12	10,894	40,906,137	2,602,583	83,033,407	156,342,099
Head Offices ¹	—	42	203,688	—	—	—
Totals	180	18,363	65,540,443	3,810,974	122,691,526	239,108,407
18. Industrial machinery:						
Under \$10,000	17	23	36,055	3,106	25,714	78,538
\$ 10,000 to \$ 24,999	29	110	254,098	18,925	174,000	530,196
25,000 " 49,999	35	230	590,696	31,792	413,057	1,261,121
50,000 " 99,999	35	413	1,225,830	63,130	801,352	2,596,208
100,000 " 199,999	47	906	2,780,287	130,400	2,583,190	6,743,333
200,000 " 499,999	47	1,736	5,891,783	190,027	4,765,356	14,071,306
500,000 " 999,999	40	2,957	9,875,895	313,974	11,486,705	28,012,999
1,000,000 " 4,999,999	57	10,964	38,999,496	1,141,150	42,129,824	112,573,627
5,000,000 and over	5	5,165	19,428,726	706,018	21,552,828	67,802,956
Head Offices ¹	—	342	1,406,780	—	—	—
Totals	312	22,846	80,489,646	2,598,522	83,932,026	233,670,284
19. Furniture:						
Under \$10,000	557	792	1,116,035	79,964	1,068,083	2,731,687
\$ 10,000 to \$ 24,999	381	1,169	2,429,166	149,654	2,542,096	6,128,201
25,000 " 49,999	229	1,337	3,021,982	166,525	3,669,690	8,030,378
50,000 " 99,999	178	1,928	4,631,853	208,374	5,850,641	12,504,826
100,000 " 199,999	147	3,017	7,363,506	311,643	10,008,121	21,310,796
200,000 " 499,999	168	7,015	18,317,396	651,643	26,025,255	53,939,247
500,000 " 999,999	68	5,673	15,435,603	486,123	22,682,039	47,250,185
1,000,000 " 4,999,999	47	8,945	25,290,015	720,902	37,067,038	80,808,878
Totals	1,775	29,876	77,605,556	2,774,828	108,912,963	232,704,198

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1954 — Concluded

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
20. Sheet metal products:						
Under \$10,000	11	20	29,642	2,279	11,545	46,861
\$ 10,000 to \$ 24,999	35	106	220,612	15,881	215,960	597,528
25,000 " 49,999	39	218	507,607	31,622	570,743	1,417,652
50,000 " 99,999	64	616	1,670,922	86,375	2,133,370	4,851,445
100,000 " 199,999	50	807	2,313,919	119,646	2,796,590	6,905,448
200,000 " 499,999	68	1,955	5,976,727	238,960	9,601,885	21,138,763
500,000 " 999,999	27	1,680	5,295,870	243,859	8,803,853	18,772,573
1,000,000 " 4,999,999	40	7,481	26,257,329	945,775	42,120,332	92,927,716
5,000,000 and over	9	5,166	19,172,147	631,798	52,578,260	86,028,891
Totals	343	18,049	61,444,775	2,316,195	118,832,538	232,686,878
21. Flour mills:						
Under \$10,000	7	12	12,948	3,113	15,448	34,293
\$ 10,000 to \$ 24,999	3	13	22,296	7,748	28,751	60,490
25,000 " 49,999	5	18	30,676	5,702	112,856	150,395
50,000 " 99,999	5	33	74,290	10,149	299,433	396,354
100,000 " 199,999	13	96	235,812	49,609	1,533,908	1,925,668
200,000 " 499,999	8	96	274,163	53,101	1,868,748	2,463,157
500,000 " 999,999	9	143	386,111	63,736	5,739,868	6,775,047
1,000,000 " 4,999,999	20	982	2,893,621	372,866	41,199,030	48,307,252
5,000,000 and over	15	3,423	11,027,679	1,110,195	144,524,257	172,250,385
Head Offices ¹	—	118	469,275	—	—	—
Totals	85	4,934	15,436,871	1,676,219	195,322,299	232,363,041
22. Radios, television sets and parts:						
Under \$10,000	8	13	22,636	370	18,438	37,236
\$ 10,000 to \$ 24,999	9	30	56,603	2,835	98,018	155,883
25,000 " 49,999	15	101	235,129	5,537	275,156	574,719
50,000 " 99,999	13	133	284,316	9,085	455,143	964,601
100,000 " 199,999	16	292	774,976	21,923	1,024,744	2,300,566
200,000 " 499,999	23	986	2,236,894	51,529	3,563,623	7,569,839
500,000 " 999,999	8	712	1,749,994	36,496	3,131,273	5,726,555
1,000,000 " 4,999,999	13	2,906	8,031,829	155,278	15,284,185	30,504,979
5,000,000 and over	15	12,768	42,680,502	662,038	100,846,372	180,677,252
Head Offices ¹	—	79	319,359	—	—	—
Totals	120	18,020	56,392,238	945,091	124,696,952	228,511,630
23. Women's factory clothing:						
Under \$10,000	21	45	41,094	2,799	55,370	121,646
\$ 10,000 to \$ 24,999	36	134	195,616	7,503	306,665	622,083
25,000 " 49,999	77	577	995,937	25,521	1,394,091	2,793,503
50,000 " 99,999	133	1,521	3,309,391	55,621	4,978,831	9,831,964
100,000 " 199,999	190	3,820	8,274,634	117,076	13,609,395	27,003,068
200,000 " 499,999	221	8,928	20,326,502	224,536	35,668,634	69,345,486
500,000 " 999,999	101	8,073	18,741,060	188,460	35,799,324	67,461,821
1,000,000 " 4,999,999	29	4,245	9,564,194	88,037	24,175,840	41,434,786
Totals	808	27,343	61,448,428	709,553	115,988,150	218,614,357
24. Fruit and vegetable preparations:						
Under \$10,000	52	65	56,340	8,128	135,767	232,684
\$ 10,000 to \$ 24,999	52	165	210,453	33,450	550,257	852,345
25,000 " 49,999	57	384	443,056	46,436	1,416,174	2,035,407
50,000 " 99,999	52	584	846,276	82,680	2,347,929	3,987,834
100,000 " 199,999	56	1,010	1,449,634	133,786	5,219,676	8,313,700
200,000 " 499,999	90	2,715	5,164,192	500,439	18,182,969	29,407,839
500,000 " 999,999	51	3,141	6,181,424	607,275	23,404,694	37,061,577
1,000,000 " 4,999,999	40	4,806	10,497,537	868,520	46,069,097	74,715,780
5,000,000 and over	3	2,688	8,943,638	609,957	34,228,398	58,413,285
Head Offices ¹	—	257	922,278	—	—	—
Totals	453	15,815	34,714,828	2,900,671	131,534,963	215,030,451
25. Heavy electrical machinery:						
Under \$10,000	1	3	69,168	2,385	65,367	154,215
\$ 10,000 to \$ 24,999	5	5	—	—	—	—
25,000 " 49,999	2	2	—	—	—	—
50,000 " 99,999	4	59	146,291	4,400	147,548	314,673
100,000 " 199,999	3	67	174,455	5,062	86,086	380,832
200,000 " 499,999	12	380	1,160,699	37,790	1,775,183	3,935,318
500,000 " 999,999	10	736	2,270,115	77,333	2,674,194	6,540,383
1,000,000 " 4,999,999	18	4,568	16,063,652	360,033	19,494,806	46,076,447
5,000,000 and over	8	15,846	60,788,640	1,519,768	45,962,557	144,749,058
Head Offices ¹	—	526	2,435,459	—	—	—
Totals	63	22,220	83,108,479	2,006,771	70,205,741	202,150,926

1. Under this heading are included only those head offices which are not located at the plant.

Size as Measured by Number of Employees.—In 1929, establishments employing 501 hands or over accounted for 27.3 p.c. of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments employing 101 hands or over. In 1929 they employed 61.9 p.c., in 1933, 55.7 p.c. and in 1939, 61.5 p.c.

The effect of the War on the concentration of industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25.6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47.0. In a further subdivision of this group in 1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499, and 101 employed over 1,500. Altogether there were 12 plants employing over 7,000 persons, the largest having an employment of a

little over 13,000 with the next three largest employing between 9,000 and 10,000. Three other plants employed between 8,000 and 9,000 persons, while the lowest five plants in this group employed between 7,000 and 8,000 workers.

With the resumption of peace-time production the larger establishments declined in size so that by 1954 only 62 establishments employed over 1,500 persons, as compared with 101 in 1944. The largest manufacturing plant in Canada in 1954 employed over 14,000 the next four largest over 8,000 while the next three largest had over 6,000. The following is the size distribution of the highest group, 1,500 and over.

Employees	Establishments
1,500 to 2,999.....	45
3,000 to 3,999.....	3
4,000 to 4,999.....	4
5,000 to 5,999.....	2
6,000 and over	8
Total	62

TABLE 50. Manufacturing Establishments, Classified by Number of Employees per Establishment, and by Provinces, 1954

Province	Up to 499	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland.....	787	1	—	1	1	790
Prince Edward Island	209	—	—	—	—	209
Nova Scotia	1,520	—	—	—	6	1,526
New Brunswick	1,050	3	1	3	—	1,057
Quebec	12,063	57	26	26	19	12,191
Ontario	12,996	94	28	28	32	13,178
Manitoba	1,513	4	—	3	2	1,522
Saskatchewan	1,010	—	—	—	—	1,010
Alberta	2,045	5	1	1	—	2,052
British Columbia	4,434	14	8	4	2	4,462
Yukon and Northwest Territories	31	—	—	—	—	31
Canada	37,638	178	64	66	62	38,028

TABLE 51. Manufacturing Establishments Classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1954

Group	1929 ¹			1939 ²		
	Estab- lishments	Employees	Average per estab- lishment	Estab- lishments	Employees	Average per estab- lishment
	Number					
Under 5 employees	12,273	30,446	2.5	13,002	28,020	2.2
5 to 20 employees	6,160	62,310	10.1	6,985	68,151	9.8
21 " 50 "	2,531	81,846	32.3	2,330	75,324	32.3
51 " 100 "	1,262	90,238	71.5	1,158	81,646	70.5
101 " 200 "	745	103,944	139.5	695	97,063	139.7
201 " 500 "	444	136,397	307.2	458	139,687	305.0
501 and over	182	189,253	1,040.0	172	168,168	977.7
Totals and averages	23,597	694,434	29.4	24,800	658,059	26.5
	1944			1954 ⁴		
Under 5 employees.....	13,208	29,958	2.3	17,127	37,064	2.2
5 to 14 employees	7,111	58,404	8.2	9,705	79,733	8.2
15 " 49 "	4,615	124,408	27.0	6,235	166,443	26.7
50 " 99 "	1,622	113,869	70.2	2,055	141,035	68.6
100 " 199 "	900	126,192	140.2	1,130	156,362	138.4
200 " 499 "	644	196,707	305.4	726	221,172	304.6
500 " 999 "	383	573,344	1,497.0	242	168,374	695.8
1,000 " 1,499 "				66	80,003	1,212.2
1,500 and over				62	201,973	3,257.6
Head Offices ³	—	—	—	—	15,807	—
Not classifiable	—	—	—	680	—	—
Totals and averages	28,483	1,222,882	42.9	38,028	1,267,966	33.3

1. Includes, central electric stations, dyeing, cleaning and laundry establishments.

2. Exclusive of Yukon and the Northwest Territories.

3. Under this heading are included only those head offices which are not located at the plant.

4. Includes Newfoundland.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1954

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	■	\$	\$
Canada:						
Under 5 employees	17,127	37,084	57,749,918	6,739,208	192,403,264	309,999,121
5 to 14 employees	9,705	79,733	184,269,971	15,800,085	475,699,140	834,785,279
15 " 49 "	6,235	166,443	430,672,005	31,082,780	1,021,651,172	1,878,184,579
50 " 99 "	2,055	141,035	384,281,017	29,649,047	886,707,050	1,677,677,804
100 " 199 "	1,130	156,362	450,297,964	39,317,126	1,129,575,564	2,095,732,100
200 " 499 "	726	221,172	700,938,402	82,577,874	1,719,949,837	3,349,692,144
500 " 999 "	242	168,374	579,163,387	89,984,330	1,503,180,559	2,889,004,509
1,000 " 1,499 "	66	80,003	280,960,726	33,889,502	593,271,641	1,191,398,077
1,500 and over	62	201,973	754,289,254	95,373,616	1,715,550,045	3,323,451,547
Not classifiable	680	—	—	10	3,869,282	4,602,344
Head Offices ¹	—	15,807	74,065,049	18,850	—	—
Totals	38,028	1,267,966	3,896,687,691	424,432,228	9,241,857,554	17,554,527,504
Foods and beverages:						
Under 5 employees	3,866	9,163	14,624,064	3,306,937	108,616,593	139,962,747
5 to 14 employees	2,455	19,453	39,415,140	6,897,944	221,260,005	309,516,239
15 " 49 "	1,085	28,270	65,768,071	9,024,933	335,006,319	494,275,211
50 " 99 "	327	22,824	60,646,636	6,938,541	285,025,192	449,338,877
100 " 200 "	202	27,585	74,880,918	7,746,096	355,787,945	558,217,195
200 " 499 "	111	33,294	100,958,013	8,584,213	487,402,103	760,483,849
500 " 999 "	34	22,677	68,961,065	5,753,212	299,635,296	481,751,028
1,000 " 1,499 "	8	12,677	44,071,032	2,922,465	241,433,173	369,001,798
1,500 and over	1	—	—	—	—	—
Head Offices ¹	—	1,940	7,732,791	18,850	—	—
Totals	8,090	177,883	477,058,728	51,193,191	2,334,166,626	3,562,546,744
Tobacco and tobacco products:						
Under 5 employees	18	29	34,041	3,518	60,349	118,033
5 to 14 employees	6	54	82,317	10,178	121,681	266,926
15 " 49 "	8	241	501,507	40,948	2,475,219	4,082,256
50 " 99 "	3	205	324,706	14,857	598,216	1,098,127
100 " 199 "	5	716	1,583,524	92,182	34,857,825	38,020,542
200 " 499 "	8	2,476	5,548,785	208,310	40,010,740	53,886,740
500 " 999 "	3	—	—	—	—	—
1,500 and over	2	5,743	19,779,725	318,743	66,836,739	127,868,352
Head Offices ¹	—	5	14,334	—	—	—
Totals	53	9,469	27,868,939	688,736	144,960,769	225,340,976
Rubber products:						
Under 5 employees	9	19	36,720	8,722	25,888	91,318
5 to 14 employees	12	108	304,198	20,294	408,140	923,399
15 " 49 "	15	411	1,197,201	99,195	3,158,134	6,162,158
50 " 99 "	8	574	1,492,814	181,484	1,663,594	4,273,326
100 " 199 "	8	1,073	2,887,188	216,920	4,390,377	10,092,483
200 " 499 "	6	2,198	6,895,943	485,970	11,043,466	24,820,562
500 " 999 "	8	5,581	16,107,742	646,893	13,885,373	41,978,399
1,000 " 1,499 "	4	5,005	16,766,728	885,798	25,694,564	69,459,575
1,500 and over	3	5,875	21,581,871	1,474,542	46,232,322	106,383,567
Head Offices ¹	—	50	206,000	—	—	—
Totals	73	20,894	67,476,405	3,999,798	106,501,858	264,184,787
Leather products:						
Under 5 employees	148	331	541,406	28,837	1,025,909	1,905,243
5 to 14 employees	155	1,357	2,680,273	94,275	3,848,800	8,004,568
15 " 49 "	193	5,392	11,386,241	401,769	15,868,218	33,458,162
50 " 99 "	84	5,886	12,562,455	289,693	19,009,560	38,738,885
100 " 199 "	62	8,714	19,216,229	464,080	27,297,894	57,024,776
200 " 499 "	29	—	—	—	—	—
500 " 999 "	2	9,068	20,775,153	787,093	34,200,472	67,381,178
Totals	673	30,748	67,161,757	2,065,747	101,250,853	206,512,812
Textile mills:						
Under 5 employees	232	589	1,061,771	71,847	2,518,909	4,635,542
5 to 14 employees	279	2,414	5,207,355	262,766	12,474,753	22,653,184
15 " 49 "	256	6,792	15,855,921	985,782	44,205,319	73,076,139
50 " 99 "	86	6,231	15,256,867	1,048,595	40,656,976	65,990,868
100 " 199 "	49	9,668	18,610,197	1,246,616	41,596,261	71,454,878
200 " 499 "	49	14,380	38,144,374	2,853,320	67,482,644	128,567,729
500 " 999 "	14	9,864	26,875,042	2,002,917	81,302,377	121,917,762
1,000 " 1,499 "	7	8,305	19,642,587	1,536,148	56,360,640	89,659,423
1,500 and over	3	6,832	19,875,078	2,238,014	23,515,815	62,914,522
Head Offices ¹	—	2,226	9,666,948	—	—	—
Totals	975	64,581	170,196,140	12,245,985	350,113,694	640,870,047

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1954 - Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Knitting mills:						
Under 5 employees	37	89	173,626	7,533	1,913,485	2,621,618
5 to 14 employees	54	499	922,065	64,724	3,276,837	5,469,756
15 " 49 "	90	2,538	5,422,672	216,940	10,906,039	20,521,082
50 " 99 "	54	3,683	7,402,680	268,706	11,889,834	24,516,075
100 " 199 "	33	4,468	9,612,297	389,655	15,175,127	30,606,433
200 " 499 "	26	7,820	17,878,826	655,945	20,521,252	51,748,175
500 " 999 "	3	2,246	4,696,857	245,323	6,436,151	15,335,434
Head Offices ¹	—	281	1,468,812	—	—	—
Totals	297	21,622	47,577,835	1,848,826	70,118,825	150,818,573
Clothing (textile and fur):						
Under 5 employees	530	1,362	2,729,176	111,427	10,692,763	17,043,500
5 to 14 employees	629	6,723	15,122,420	374,482	35,139,351	62,045,392
15 " 49 "	963	26,385	57,255,316	938,258	96,415,403	189,416,523
50 " 99 "	306	21,093	44,948,520	624,582	78,069,678	150,045,302
100 " 199 "	116	15,749	31,649,316	401,206	59,125,472	111,921,467
200 " 499 "	40	11,604	24,544,706	285,339	39,988,710	76,891,806
500 " 999 "	8	6,570	14,255,578	146,216	20,528,040	43,350,555
1,000 " 1,499 "	1	207	989,843	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	2,733	89,693	191,494,875	2,881,510	339,959,417	650,714,545
Wood products:						
Under 5 employees	8,079	15,789	18,437,178	1,736,102	39,388,511	77,137,845
5 to 14 employees	2,433	19,245	40,289,797	3,306,916	87,218,740	162,911,892
15 " 49 "	1,157	30,397	76,073,463	4,645,713	171,827,472	313,711,095
50 " 99 "	298	19,901	53,931,443	2,552,013	104,680,090	199,838,035
100 " 199 "	139	18,281	51,576,105	2,182,418	88,738,312	177,341,497
200 " 499 "	43	12,315	36,993,728	1,134,856	52,457,711	120,767,575
500 " 999 "	14	11,954	40,949,144	949,800	79,445,917	154,251,966
1,000 " 1,499 "	2	1,049	4,871,356	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	12,165	128,931	323,122,214	16,507,818	623,756,753	1,205,959,905
Paper products:						
Under 5 employees	53	139	297,002	27,358	747,423	1,411,091
5 to 14 employees	110	975	2,504,466	218,254	6,859,172	12,443,532
15 " 49 "	144	4,115	10,527,713	766,919	27,500,683	50,297,646
50 " 99 "	87	6,180	17,811,822	1,772,232	51,672,148	93,722,142
100 " 199 "	70	9,678	31,157,396	3,880,913	87,189,386	157,207,013
200 " 499 "	58	18,520	67,162,990	20,203,525	179,419,881	371,957,069
500 " 999 "	32	23,112	93,908,371	33,040,988	223,430,039	508,037,745
1,000 " 1,499 "	10	12,682	52,684,735	16,144,388	98,128,624	252,578,175
1,500 and over	5	9,176	38,925,307	12,226,063	67,084,953	182,508,188
Head Offices ¹	—	2,793	16,576,224	—	—	—
Totals	569	87,370	331,556,026	88,280,640	742,032,309	1,630,162,601
Printing, publishing and allied industries:						
Under 5 employees	2,398	3,811	7,439,120	337,737	13,124,219	26,452,996
5 to 14 employees	1,082	8,777	23,218,643	617,159	18,697,843	55,088,389
15 " 49 "	485	12,167	36,292,111	808,238	25,992,156	85,207,414
50 " 99 "	146	10,255	32,148,100	709,636	24,439,872	81,014,840
100 " 199 "	61	8,476	27,492,054	565,406	24,171,478	72,038,652
200 " 499 "	40	12,422	41,726,818	751,512	36,241,571	115,718,453
500 " 999 "	3	7,251	28,305,860	411,361	25,116,242	79,736,359
1,000 " 1,499 "	1	5,351	23,125,990	412,025	20,942,249	62,098,188
1,500 and over	—	104	527,293	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	4,227	68,614	220,275,989	4,613,094	188,725,630	577,355,291
Iron and steel products:						
Under 5 employees	690	1,786	4,108,829	304,654	4,401,053	12,024,018
5 to 14 employees	969	7,531	21,246,116	1,145,409	22,231,657	57,934,978
15 " 49 "	691	18,669	59,558,338	2,796,210	71,721,908	176,073,423
50 " 99 "	235	16,281	53,487,507	2,943,261	80,820,210	179,584,153
100 " 199 "	132	18,925	65,048,417	3,171,204	86,878,248	207,473,308
200 " 499 "	135	42,778	150,206,711	7,976,500	207,678,938	481,164,458
500 " 999 "	29	20,715	75,510,828	4,615,665	108,472,945	258,974,536
1,000 " 1,499 "	8	9,592	34,590,276	2,332,256	52,558,177	114,585,900
1,500 and over	12	36,871	139,279,472	20,449,881	194,484,543	466,416,190
Head Offices ¹	—	550	2,490,035	—	—	—
Totals	2,801	173,698	605,526,529	45,735,040	829,237,679	1,954,230,964

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1954 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Transportation equipment:						
Under 5 employees	189	423	799,269	48,319	721,660	2,000,334
5 to 14 employees	126	1,136	2,982,664	128,117	3,879,684	8,595,810
15 " 49 "	115	3,210	10,139,334	535,096	14,578,366	31,944,695
50 " 99 "	51	3,393	10,782,180	459,662	15,002,023	31,979,443
100 " 199 "	32	4,383	14,788,959	679,768	19,332,036	45,687,983
200 " 499 "	34	9,715	33,501,421	1,407,690	44,243,671	104,550,293
500 " 999 "	26	18,034	64,767,850	2,615,437	125,438,641	218,555,152
1,000 " 1,499 "	12	14,095	49,233,491	2,483,289	68,637,343	152,988,315
1,500 and over	17	79,001	291,880,894	9,098,104	694,887,857	1,117,680,960
Head Offices ¹	—	42	203,688	—	—	—
Totals	602	133,432	479,079,750	17,455,482	986,721,281	1,713,962,985
Non-ferrous metal products:						
Under 5 employees	156	373	732,654	52,321	1,103,631	2,304,655
5 to 14 employees	172	1,482	3,921,153	203,686	7,386,385	13,918,063
15 " 49 "	131	3,367	10,275,307	655,340	37,647,934	55,251,678
50 " 99 "	44	2,946	9,031,008	571,923	20,710,592	37,704,458
100 " 199 "	25	3,571	10,408,223	1,342,863	51,455,693	72,520,617
200 " 499 "	25	7,980	28,080,834	8,237,782	78,250,855	166,383,472
500 " 999 "	11	7,684	28,299,701	12,405,204	176,606,986	257,366,041
1,000 " 1,499 "	2	22,271	87,800,813	36,822,150	344,803,997	658,325,833
1,500 and over	7	820	3,641,628	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	573	50,494	182,191,321	60,291,269	717,966,073	1,263,774,817
Electrical apparatus and supplies:						
Under 5 employees	77	180	409,670	19,316	1,039,554	1,655,438
5 to 14 employees	87	721	1,844,096	78,881	3,962,854	7,792,279
15 " 49 "	118	3,167	8,724,026	365,492	19,930,994	38,286,437
50 " 99 "	52	3,632	10,358,076	428,881	18,169,687	37,130,074
100 " 199 "	47	6,481	20,359,129	664,858	39,631,934	79,553,990
200 " 499 "	49	15,768	51,441,326	1,565,863	103,708,231	205,954,964
500 " 999 "	16	11,598	40,105,077	1,239,977	73,814,650	149,157,434
1,000 " 1,499 "	4	4,867	16,795,844	860,767	26,993,546	61,708,628
1,500 and over	7	27,717	104,157,089	2,199,691	109,331,777	282,702,900
Head Offices ¹	—	944	4,315,268	—	—	—
Totals	457	75,075	258,509,601	7,423,726	396,583,427	863,942,144
Non-metallic mineral products:						
Under 5 employees	432	1,037	1,954,497	303,532	2,942,858	6,900,220
5 to 14 employees	335	2,756	6,966,349	1,031,691	10,614,671	25,722,257
15 " 49 "	228	6,146	18,567,034	5,264,005	25,347,647	74,787,220
50 " 99 "	87	5,210	16,949,828	5,575,409	17,135,078	58,376,486
100 " 199 "	54	7,874	26,835,556	9,810,819	41,902,069	119,714,577
200 " 499 "	15	4,546	16,281,695	6,964,175	20,312,821	73,325,178
500 " 999 "	8	6,837	23,822,440	7,288,709	26,865,372	76,382,062
1,000 " 1,499 "	1	823	3,471,680	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	1,160	35,229	114,849,079	36,238,340	145,120,516	435,208,000
Products of petroleum and coal:						
Under 5 employees	12	31	89,770	15,235	371,311	828,750
5 to 14 employees	23	211	618,751	141,245	3,861,302	5,721,967
15 " 49 "	24	720	2,411,649	528,204	12,877,890	21,880,289
50 " 99 "	10	717	2,736,650	2,164,635	37,248,282	53,280,610
100 " 199 "	12	1,865	6,898,093	3,107,687	60,810,382	101,913,003
200 " 499 "	15	4,734	19,359,694	14,034,019	224,145,491	355,187,114
500 " 999 "	6	1	—	—	—	—
1,000 " 1,499 "	1	7,217	28,737,168	17,404,197	286,096,727	482,099,615
1,500 and over	1	—	—	—	—	—
Head Offices ¹	—	2,064	8,829,950	—	—	—
Totals	104	17,559	69,681,725	37,395,222	625,411,385	1,020,911,348
Chemicals and allied products:						
Under 5 employees	363	781	1,681,051	136,108	4,562,988	9,826,333
5 to 14 employees	323	2,759	8,053,173	617,292	24,820,580	50,314,100
15 " 49 "	244	6,996	22,103,532	2,124,067	80,353,237	150,931,410
50 " 99 "	95	6,518	20,662,224	2,605,504	58,054,639	121,706,895
100 " 199 "	46	6,734	22,927,164	2,832,939	72,855,213	141,258,369
200 " 499 "	28	8,703	32,546,667	6,193,249	66,991,268	169,140,685
500 " 999 "	12	8,668	33,339,957	8,109,769	65,111,437	165,261,634
1,000 " 1,499 "	2	8,599	27,836,591	9,594,319	64,301,729	127,285,454
1,500 and over	3	—	—	—	—	—
Head Offices ¹	—	1,645	8,161,601	—	—	—
Totals	1,116	51,603	177,311,960	32,213,247	437,051,091	935,724,880

1. Under this heading are included only those head offices which are not located at the plant.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1954 — Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Miscellaneous industries:						
Under 5 employees	518	1,132	2,600,072	219,715	3,015,442	7,681,784
5 to 14 employees	414	3,532	8,889,995	586,772	9,646,685	25,462,548
15 " 49 "	288	7,460	18,612,569	885,701	25,838,184	58,821,741
50 " 99 "	82	5,506	13,747,501	519,443	21,861,129	49,339,408
100 " 199 "	37	4,823	14,367,201	521,496	18,379,912	43,685,317
200 " 499 "	15	4,097	11,250,008	284,537	9,030,139	28,807,422
500 " 999 "	5	4,257	15,383,874	336,893	14,407,877	38,507,865
1,000 " 1,499 "	1					
Head Offices ¹	—	264	897,598	—	—	—
Totals	1,360	31,071	85,748,818	3,354,557	102,179,368	252,306,085

1. Under this heading are included only those head offices that are not located at the plant.

Size of Establishment in Leading Industries.—Table 53 summarizes the degree of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of motor vehicles, non-ferrous metal smelting and refining, railway rolling-stock, cotton yarn and cloth, primary iron and steel, pulp and paper, and heavy electrical machinery; whereas

in the case of women's factory clothing, miscellaneous food preparations, furniture, butter and cheese, bread and other bakery products, fruit and vegetable preparations, sawmills and men's factory clothing, the degree of concentration is low. This concentration is analysed in detail for each of the twenty-five leading industries in the tables following.

TABLE 53. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1954

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total shipments in the industry
1	Pulp and paper	77	61.6	94.3
2	Non-ferrous metal smelting and refining	18	81.8	99.3
3	Petroleum products	16	26.2	83.0
4	Slaughtering and meat packing	31	20.1	75.2
5	Motor vehicles	10	50.0	98.5
6	Sawmills	22	0.3	27.2
7	Butter and cheese	17	1.2	19.0
8	Primary iron and steel	14	27.5	91.6
9	Aircraft and parts	15	31.9	97.0
10	Miscellaneous food preparations	7	2.1	28.1
11	Railway rolling stock	23	63.9	96.6
12	Bread and other bakery products	26	1.0	31.4
13	Miscellaneous electrical apparatus	22	14.0	78.5
14	Rubber goods, including footwear	21	28.8	91.8
15	Printing and publishing	32	4.0	68.1
16	Clothing, men's factory	33	5.7	37.2
17	Motor vehicle parts	20	11.1	75.8
18	Machinery, industrial	28	9.0	55.1
19	Furniture	16	0.9	16.1
20	Sheet metal products	25	7.3	58.6
21	Flour mills	10	11.8	57.3
22	Radios, television sets, and parts	23	19.2	87.5
23	Clothing, women's factory	5	0.6	4.5
24	Fruit and vegetable preparations	4	0.9	27.9
25	Machinery, heavy electrical	18	28.6	87.1

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1954

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1. Pulp and paper:						
5 to 14 employees.....	3	38	89,475	58,971	117,785	559,311
15 " 49 ".....	11	330	945,295	310,967	1,858,668	4,239,037
50 " 99 ".....	17	1,115	3,619,297	1,173,367	5,720,424	20,008,794
100 " 199 ".....	17	2,413	8,616,299	2,866,850	21,481,490	45,494,833
200 " 499 ".....	33	11,527	45,464,597	19,270,491	112,937,565	260,139,467
500 " 999 ".....	29	21,294	87,723,965	32,839,721	204,928,086	476,030,626
1,000 " 1,499 ".....	10	12,682	52,684,735	16,144,388	98,128,624	252,578,175
1,500 and over.....	5	9,176	38,925,307	12,226,063	67,084,953	182,508,188
Head Offices ¹	—	2,262	14,529,413	—	—	—
Totals.....	125	60,837	252,598,383	84,890,786	515,257,595	1,241,558,451
2. Non-ferrous metal smelting and refining:						
15 to 49 employees.....	1	511	1,692,438	754,488	2,894,585	6,821,875
100 " 199 ".....	3	2,093	8,107,016	7,190,333	44,351,158	95,578,845
200 " 499 ".....	5	4,660	18,081,256	11,673,394	157,081,934	219,001,459
500 " 999 ".....	6	18,794	74,715,260	35,607,172	310,987,978	601,176,819
1,000 " 1,499 ".....	1	—	—	—	—	—
1,500 and over.....	6	—	—	—	—	—
Totals.....	22	26,048	102,595,970	55,225,387	515,315,655	922,578,998
3. Petroleum products:						
Under 5 employees.....	7	16	40,970	8,680	151,049	428,402
5 to 14 employees.....	10	446	253,918	96,887	1,570,700	2,346,603
15 " 49 ".....	14	946	1,573,616	437,321	11,406,986	17,556,099
50 " 99 ".....	6	471	1,837,481	1,494,579	32,323,722	44,209,383
100 " 199 ".....	8	1,175	4,671,773	2,655,231	56,971,480	89,704,207
200 " 499 ".....	11	3,416	14,542,753	10,259,933	194,924,266	311,374,181
500 " 999 ".....	4	4,798	20,610,337	16,262,749	271,193,474	443,633,639
1,500 and over.....	1	—	—	—	—	—
Head Offices ¹	—	2,061	8,785,350	—	—	—
Totals.....	61	12,476	52,316,208	31,215,380	568,541,677	909,252,514
4. Slaughtering and meat packing:						
Under 5 employees.....	10	29	60,806	17,450	586,465	722,002
5 to 14 employees.....	46	407	948,091	155,084	16,457,699	18,722,283
15 " 49 ".....	37	1,001	2,801,149	305,285	37,082,218	43,499,038
50 " 99 ".....	17	1,261	4,024,353	346,190	52,194,148	61,681,346
100 " 199 ".....	13	1,922	6,321,395	540,745	68,300,237	83,032,819
200 " 499 ".....	19	5,872	20,149,883	1,124,663	168,740,053	203,765,571
500 " 999 ".....	8	5,930	19,944,490	766,678	146,944,608	183,058,995
1,000 " 1,499 ".....	3	6,577	24,448,923	1,403,758	183,846,493	243,026,426
1,500 and over.....	1	—	—	—	—	—
Totals.....	154	22,999	78,699,090	4,659,853	674,151,921	837,508,480
5. Motor vehicles:						
15 to 49 employees.....	4	147	563,926	66,747	1,836,837	2,789,859
50 " 99 ".....	2	524	1,764,526	62,273	4,164,578	7,270,061
100 " 199 ".....	4	2,329	8,244,802	431,877	31,915,729	42,062,145
200 " 499 ".....	2	24,949	95,489,185	3,761,839	439,392,231	614,164,477
500 " 999 ".....	4	—	—	—	—	—
1,500 and over.....	4	—	—	—	—	—
Totals.....	20	27,949	106,062,439	4,322,736	477,309,375	666,286,542
6. Sawmills:						
Under 5 employees.....	5,666	11,049	10,120,831	1,078,642	27,820,542	52,258,119
5 to 14 employees.....	1,419	11,112	21,388,801	1,941,698	52,356,800	97,925,324
15 " 49 ".....	464	11,626	29,277,433	1,928,340	68,557,949	129,938,111
50 " 99 ".....	83	5,560	17,061,521	869,797	37,755,782	71,246,813
100 " 199 ".....	42	5,538	17,561,357	781,631	32,935,987	65,373,496
200 " 499 ".....	10	2,662	9,781,449	203,230	17,645,263	35,780,368
500 " 999 ".....	11	8,732	30,703,468	635,333	64,046,047	119,664,267
1,000 " 1,499 ".....	1	—	—	—	—	—
Head Offices ¹	—	731	3,656,671	—	—	—
Totals.....	7,696	57,010	139,571,531	7,438,671	301,118,370	572,186,498

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1954 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
7. Butter and cheese:						
Under 5 employees	831	2,093	3,288,336	892,660	61,767,445	69,010,259
5 to 14 employees	404	3,121	6,846,424	1,641,013	78,226,667	93,914,147
15 " 49 "	160	4,143	10,306,739	2,059,533	66,444,010	89,298,978
50 " 99 "	35	2,522	6,949,973	881,864	23,821,532	37,915,948
100 " 199 "	20	2,775	8,204,043	870,318	28,249,061	43,901,453
200 " 499 "	14	4,155	13,401,316	1,078,624	33,906,510	56,575,407
500 " 999 "	3	1,790	6,024,995	433,777	12,420,926	21,589,138
Totals	1,467	20,599	55,021,826	7,857,789	304,836,171	412,205,330
8. Primary iron and steel:						
5 to 14 employees	2	340	1,198,098	178,631	662,300	2,558,055
15 " 49 "	11					
50 " 99 "	12	919	3,299,989	823,232	5,724,029	9,637,912
100 " 199 "	12	1,730	5,806,016	708,409	6,580,463	19,891,494
200 " 499 "	5	1,883	7,653,607	1,449,026	6,139,758	23,650,923
500 " 999 "	3	1,892	7,107,734	1,971,753	13,909,535	32,050,142
1,000 " 1,499 "	1	22,081	83,669,059	18,599,410	112,094,265	295,365,670
1,500 and over	5					
Head Offices ¹	—	16	82,927	—	—	—
Totals	51	28,861	108,817,430	23,730,461	145,110,350	383,154,196
9. Aircraft and parts:						
Under 5 employees	3	7	18,949	520	34,359	80,917
5 to 14 employees	8	84	273,581	9,512	96,943	545,422
15 " 49 "	12	319	1,173,069	31,968	826,970	2,869,696
50 " 99 "	7	449	1,613,952	27,698	1,910,171	4,571,854
100 " 199 "	2	1,557	6,095,147	185,735	9,061,344	20,052,933
200 " 499 "	4	3,771	13,243,595	230,121	9,244,017	25,356,068
500 " 999 "	5	3,511	11,838,030	418,454	11,229,158	29,101,125
1,000 " 1,499 "	3	25,397	101,607,167	1,831,380	126,490,523	260,432,815
Totals	47	35,095	135,863,490	2,735,388	158,893,485	343,010,830
10. Miscellaneous food preparations:						
Under 5 employees	96	222	406,327	42,028	2,433,744	3,559,709
5 to 14 employees	102	853	1,947,256	188,100	14,908,246	20,249,504
15 " 49 "	78	2,146	5,489,499	467,927	39,929,363	54,382,814
50 " 99 "	36	2,611	6,918,405	1,079,680	54,273,035	79,170,698
100 " 199 "	14	1,843	5,023,084	476,217	46,988,126	62,869,565
200 " 499 "	6	2,037	6,648,039	969,836	54,662,394	86,219,004
500 " 999 "	1					
Head Offices ¹	—	419	2,029,656	—	—	—
Totals	333	10,431	28,462,266	3,223,788	213,194,908	306,451,294
11. Railway rolling stock:						
5 to 14 employees	2	136	417,871	57,909	1,726,790	3,137,049
15 " 49 "	4					
50 " 99 "	2					
100 " 199 "	4	787	2,470,127	220,452	3,105,514	6,361,104
200 " 499 "	5	1,484	4,824,474	173,616	2,591,443	12,111,691
500 " 999 "	7	5,021	17,012,426	722,128	37,578,147	60,630,853
1,000 " 1,499 "	6	7,349	26,339,806	1,681,630	50,360,104	94,749,845
1,500 and over	5	14,437	45,797,740	1,586,910	66,857,589	106,408,025
Totals	36	29,214	96,862,444	4,442,645	162,219,587	283,398,567
12. Bread and other bakery products:						
Under 5 employees	1,400	3,493	5,774,041	1,114,294	11,568,313	22,691,100
5 to 14 employees	844	6,525	12,828,900	1,663,949	21,440,246	42,865,814
15 " 49 "	217	5,536	13,035,105	1,475,356	21,066,246	44,877,302
50 " 99 "	64	4,319	11,563,685	1,235,632	18,303,466	39,543,920
100 " 199 "	33	4,348	11,955,592	1,110,929	19,903,510	42,179,835
200 " 499 "	21	6,404	18,512,261	1,742,496	27,187,089	60,177,172
500 " 999 "	5	3,258	10,135,278	876,061	11,650,744	27,872,746
Totals	2,584	33,883	83,804,862	9,218,717	131,119,614	280,207,889

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1954 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
13. Miscellaneous electrical apparatus and supplies:						
Under 5 employees	27	59	120,355	6,516	179,327	376,356
5 to 14 employees	34	295	825,781	34,323	2,144,441	3,791,335
15 " 49 "	43	1,261	3,502,429	181,418	10,312,507	18,396,893
50 " 99 "	20	1,367	4,305,249	223,280	10,254,796	18,823,272
100 " 199 "	11	1,555	4,692,110	138,096	6,571,852	16,206,082
200 " 499 "	17	5,521	18,245,558	815,882	35,191,051	72,293,907
500 " 999 "	2					
1,500 and over	3	13,328	49,442,359	1,024,517	58,502,200	137,686,578
Head Offices ¹	—	238	1,118,737	—	—	—
Totals	157	23,624	82,252,578	2,424,032	123,156,174	267,574,423
14. Rubber goods, including footwear:						
Under 5 employees	9	19	36,720	8,722	25,888	91,318
5 to 14 employees	12	108	304,198	20,294	408,140	923,399
15 " 49 "	15	411	1,197,201	99,195	3,158,134	6,162,158
50 " 99 "	8	574	1,492,814	161,464	1,663,594	4,273,326
100 " 199 "	8	1,073	2,887,188	216,920	4,390,377	10,092,483
200 " 499 "	6	2,198	6,895,943	485,970	11,043,466	24,820,562
500 " 999 "	8	5,581	16,107,742	646,893	13,885,373	41,978,399
1,000 " 1,499 "	4	5,005	16,766,728	885,798	25,694,564	69,459,575
1,500 and over	3	5,875	21,581,871	1,474,542	46,232,322	106,383,567
Head Offices ¹	—	50	206,000	—	—	—
Totals	73	20,894	67,476,405	3,999,798	106,501,858	264,184,787
15. Printing and publishing:						
Under 5 employees	312	765	1,618,403	117,771	716,238	3,371,487
5 to 14 employees	264	2,116	5,357,332	211,437	1,954,125	10,224,760
15 " 49 "	115	2,803	7,540,276	224,716	3,022,662	15,216,146
50 " 99 "	55	4,080	12,374,801	327,506	6,155,926	29,298,503
100 " 199 "	22	2,938	9,639,500	248,542	5,525,203	23,713,401
200 " 499 "	21	6,478	21,641,657	404,873	16,628,484	60,947,880
500 " 999 "	7	4,824	19,002,657	307,102	16,702,058	51,829,272
1,000 " 1,499 "	3					
1,500 and over	1	5,351	23,125,990	412,025	20,942,249	62,098,188
Head Offices ¹	—	46	174,011	—	—	—
Totals	800	29,401	100,474,627	2,253,972	71,646,945	256,699,637
16. Men's factory clothing:						
Under 5 employees	102	255	587,346	28,639	4,043,442	6,115,824
5 to 14 employees	129	1,103	2,638,620	58,657	12,091,216	18,638,986
15 " 49 "	192	5,574	11,286,060	189,699	24,183,978	43,440,864
50 " 99 "	87	6,033	11,740,131	214,315	23,879,322	42,326,860
100 " 199 "	39	5,672	11,528,124	125,958	22,316,607	40,440,667
200 " 499 "	25	7,476	16,073,115	168,042	27,271,419	51,507,936
500 " 999 "	7					
1,000 " 1,499 "	1	5,579	12,788,061	128,344	18,246,182	37,919,148
Head Offices ¹	—	194	937,257	—	—	—
Totals	582	31,886	67,578,714	913,654	132,032,166	240,390,285
17. Motor vehicle parts:						
Under 5 employees	31	82	199,285	14,107	210,688	636,538
5 to 14 employees	45	404	1,110,790	56,032	1,959,830	3,934,806
15 " 49 "	51	1,322	4,129,840	235,121	6,685,878	14,004,713
50 " 99 "	18	1,230	3,500,032	148,114	6,403,168	12,431,081
100 " 199 "	15	2,005	6,940,889	358,856	12,959,028	26,953,407
200 " 499 "	12	3,538	12,657,846	682,161	18,628,840	46,639,788
500 " 999 "	6					
1,000 " 1,499 "	1					
1,500 and over	1	9,733	36,798,073	2,316,583	75,844,094	134,508,074
Head Offices ¹	—	49	203,688	—	—	—
Totals	180	18,363	65,540,443	3,810,974	122,691,526	239,108,407
18. Industrial machinery:						
Under 5 employees	48	118	260,693	21,423	300,011	734,902
5 to 14 employees	81	705	2,237,886	111,486	2,541,106	6,821,090
15 " 49 "	81	2,403	8,006,254	280,378	7,181,960	19,917,653
50 " 99 "	47	3,356	11,197,454	365,757	17,832,841	38,720,089
100 " 199 "	27	4,002	14,232,633	399,536	14,289,053	38,701,987
200 " 499 "	23	6,755	23,719,220	713,924	20,234,227	60,971,607
500 " 999 "	4					
1,500 and over	1	5,165	19,428,726	706,018	21,552,828	67,802,956
Head Offices ¹	—	342	1,406,780	—	—	—
Totals	312	22,846	80,489,646	2,598,522	83,932,026	233,670,284

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1954 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
19. Furniture:						
Under 5 employees	963	1,941	3,794,791	240,883	4,703,836	10,545,871
5 to 14 employees	387	3,085	7,411,639	358,549	10,397,088	21,539,772
15 " 49 "	270	7,362	18,854,797	708,432	30,459,653	60,643,899
50 " 99 "	89	6,075	16,179,731	533,954	23,364,302	48,603,011
100 " 199 "	50	6,437	17,614,942	565,262	24,898,744	53,840,654
200 " 499 "	15	4,976	13,749,656	367,748	15,089,340	37,530,991
500 " 999 "	1					
Totals	1,775	29,876	77,605,556	2,774,828	108,912,963	232,704,198
20. Sheet metal products:						
Under 5 employees	65	182	426,324	30,167	1,004,841	1,969,328
5 to 14 employees	104	925	2,471,574	133,451	4,068,370	8,819,493
15 " 49 "	111	3,019	9,392,965	405,370	15,918,892	34,230,263
50 " 99 "	22	1,604	5,340,426	205,762	10,136,897	22,185,507
100 " 199 "	16	2,146	7,031,523	384,218	12,813,366	29,104,700
200 " 499 "	19	5,732	21,053,146	697,225	51,031,495	89,346,230
500 " 999 "	6	4,441	15,728,817	460,002	23,858,677	47,031,357
Totals	343	18,049	61,444,775	2,316,195	118,832,538	232,686,878
21. Flour mills:						
Under 5 employees	15	34	61,328	12,962	309,537	409,548
5 to 14 employees	29	256	680,900	138,861	7,821,783	9,351,619
15 " 49 "	19	475	1,449,014	222,549	22,000,844	26,415,465
50 " 99 "	8	667	1,937,343	256,748	26,617,023	31,318,951
100 " 199 "	4	538	1,663,825	218,432	26,738,674	31,715,192
200 " 499 "	10	2,846	9,175,186	826,667	111,834,438	133,152,266
Head Offices ¹	—	118	469,275	—	—	—
Totals	85	4,934	15,436,871	1,676,219	195,322,299	232,363,041
22. Radios, television sets and parts:						
Under 5 employees	24	65	176,285	4,677	625,841	852,069
5 to 14 employees	25	204	509,388	16,325	887,977	2,232,201
15 " 49 "	27	676	1,696,925	39,788	2,912,622	5,803,535
50 " 99 "	13	963	2,193,906	53,382	2,613,649	6,341,389
100 " 199 "	8	1,023	2,705,793	53,202	8,290,164	13,335,329
200 " 499 "	13	3,962	11,302,909	170,428	40,168,892	63,695,175
500 " 999 "	5	3,294	10,858,927	175,491	28,909,103	50,211,430
1,000 " 1,499 "	2	7,754	26,628,746	431,798	40,288,704	86,040,502
1,500 and over	3					
Head Offices ¹	—	79	319,359	—	—	—
Totals	120	18,020	56,392,238	945,091	124,696,932	228,511,630
23. Women's factory clothing:						
Under 5 employees	73	190	387,486	16,763	1,806,422	2,794,946
5 to 14 employees	210	1,975	4,424,639	84,373	8,370,373	15,506,821
15 " 49 "	354	9,963	22,917,509	292,113	40,559,803	79,457,825
50 " 99 "	122	8,385	19,468,295	173,613	34,771,706	66,503,538
100 " 199 "	44	5,628	11,486,976	121,195	25,117,676	44,614,909
200 " 499 "	5	1,202	2,763,523	21,496	5,362,170	9,736,318
Totals	808	27,343	61,448,428	709,553	115,988,150	218,614,357
24. Fruit and vegetable preparations:						
Under 5 employees	114	233	320,951	44,851	1,094,089	1,784,835
5 to 14 employees	115	1,011	1,488,718	175,355	6,215,927	10,061,249
15 " 49 "	146	4,068	7,834,069	761,810	30,625,203	50,362,490
50 " 99 "	41	2,849	5,521,260	554,223	20,814,965	32,738,663
100 " 199 "	33	4,494	9,333,603	728,614	37,596,041	60,064,326
200 " 499 "	2	2,903	9,293,949	635,818	35,208,738	60,018,888
1,000 " 1,499 "	2					
Head Offices ¹	—	257	922,278	—	—	—
Totals	453	15,815	34,714,828	2,900,671	131,554,963	215,030,451

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1934 — Concluded

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
25. Heavy electrical machinery:						
Under 5 employees	4	11	28,624	1,794	62,126	113,202
5 to 14 employees	6	35	74,148	1,563	50,710	173,674
15 " 49 "	16	398	1,241,432	46,518	2,112,750	4,783,441
50 " 99 "	10	699	2,119,283	71,436	2,236,631	5,621,038
100 " 199 "	9	1,339	4,722,318	94,013	7,259,074	15,385,436
200 " 499 "	10	3,366	11,698,575	271,679	12,521,893	31,325,077
500 " 999 "	5	3,818	14,436,245	344,640	11,683,784	33,905,979
1,000 " 1,499 "	1	12,028	46,352,395	1,175,128	34,278,773	110,843,079
1,500 and over	2					
Head Offices ¹	—	526	2,435,459	—	—	—
Totals	63	22,220	83,108,479	2,006,771	70,205,741	202,150,926

1. Under this heading are included only those head offices that are not located at the plant.

Subsection 7. Fuel and Power Consumption

Cost of Fuel and Electricity.—Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 55. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed, as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of purchased fuel consumed increased 365 p.c. from 1939 to 1954. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. The cost of electricity purchased, on the other hand, has increased during the same period by 215 p.c. The groups of industries in which fuel was most extensively used in 1954 were: paper products, non-ferrous metal products, foods and beverages, iron and steel products, products of petroleum and coal, non-metallic mineral products and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1954, 62.5 p.c. was for fuel and 37.5 for electricity. Percentage wise, Newfoundland with 89.5 p.c. of the Provincial total was the largest user of fuel, while Quebec with 51.2 p.c. was the smallest. Provinces lacking in water power resources naturally have to rely on fuel for power, and for this reason the percentage that fuel is to the total is much higher than in Provinces such as Quebec where there is an abundant supply of water for power purposes. In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Power Consumption.—Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power,

are not the result of temporary fluctuations in cost and values in the same manner as capital investments, values of products, etc. Of course, power equipment installed is not a measure of the actual utilization of power for there is generally an excess over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant. In times of depression this margin increases. During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked.

Of the total increase in power equipment employed in manufacturing industries between 1939 and 1953, 75 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines—which include all gasoline engines, gas engines (natural, coal, and producer gas), and compression-ignition engines—also has increased rapidly during the period covered. During the period 1939-1953 there was an increase of 31 p.c. in the capacity of hydraulic turbines and water wheels, 56 p.c. in the capacity of steam engines and steam turbines, 115 p.c. in the capacity of electric motors, while internal combustion engines increased more than fivefold. The collection of statistics on power equipment was discontinued in 1949, but was collected again for 1953.

Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 42.4 billion K.W.H. in 1954, an increase of 118 p.c. as compared with 1939. Of the total consumed, Quebec used 54.9 p.c., Ontario 26.2 p.c., British Columbia 9.5 p.c., Newfoundland 2.2 p.c., New Brunswick 2.1 p.c., and Manitoba 1.8 p.c.

The paper products group with 37.1 p.c. of the total was the largest user of electric power. This group was also the largest user of purchased fuel. The non-ferrous metal products group was the second largest user of power with 32.3 p.c., followed by chemicals and allied products with 9.9 p.c., iron and steel products 5.5 p.c., non-metallic mineral products 3.7 p.c. and foods and beverages 2.8 p.c.

Table 55 gives details of purchased fuel and electricity as well as power consumption by industrial groups and provinces. Table 56 gives details of power equipment and Tables 57 and 58 give details of fuel consumption for selected years from 1926 to 1953.

TABLE 55. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939-53 with Details by Provinces and Industrial Groups, 1954

Note: Includes fuel and electricity used in smelters for metallurgical purposes

Year, Province or Group	Value of purchased fuel	Value of purchased electricity	Total	Consumption of electric power		
				Purchased	Generated for own use	Total
	\$	\$	\$	1000 K.W.H.		
1939	57,063,131	50,509,121	107,572,252	17,072,764	2,357,669	19,430,433
1940	78,550,913	58,429,262	136,980,175	17,954,995	2,640,918	20,595,913
1941	102,886,816	71,754,501	174,641,317	20,289,238	2,840,841	23,130,079
1942	121,512,643	85,205,846	206,718,489	23,650,840	3,345,443	26,996,283
1943	134,004,345	91,950,030	225,954,375	26,399,730	3,211,610	29,611,340
1944	137,883,770	87,699,383	225,583,153	25,777,238	2,752,124	28,529,362
1945	128,384,255	83,999,865	212,384,120	23,986,993	2,362,260	26,349,253
1946	127,179,620	83,273,105	210,452,725	25,250,876	2,714,261	27,965,137
1947	163,813,503	90,876,176	254,689,679	26,728,239	3,467,535	30,195,774
1948	209,063,839	94,475,355	303,539,194	24,907,413	4,590,676	29,498,089
1949	208,776,571	97,019,231	305,795,802	25,067,855	5,898,390	30,966,245
1950	229,993,079	106,940,541	336,933,620	27,482,129	6,266,050	33,748,179
1951	252,573,952	124,140,044	376,713,996	31,243,249	6,369,094	37,612,343
1952	257,443,536	135,537,806	392,981,342	32,418,626	6,450,729	38,869,355
1953	259,212,493	152,576,328	411,788,821	34,226,135	6,901,443	41,127,578
Provinces, 1954						
Newfoundland	3,630,832	425,851	4,056,683	24,434	893,030	917,464
Prince Edward Island	236,279	130,448	366,727	5,016	7	5,023
Nova Scotia	8,246,272	2,553,420	10,799,692	326,622	158,728	485,350
New Brunswick	9,090,192	2,923,310	12,013,502	517,346	364,773	882,119
Quebec	77,035,829	73,450,357	150,486,186	22,472,833	835,592	23,308,425
Ontario	126,780,357	59,986,863	186,767,220	8,976,696	2,152,842	11,129,538
Manitoba	6,657,776	3,705,182	10,362,958	761,438	7,861	769,299
Saskatchewan	5,012,281	2,107,799	7,120,080	410,119	40,996	451,115
Alberta	7,295,421	3,726,662	11,022,083	418,761	50,530	469,291
British Columbia ¹	21,084,393	10,161,701	31,246,094	2,448,497	1,567,388	4,015,885
Yukon and Northwest Territories	172,850	18,153	191,003	554	887	1,441
Canada	265,242,482	159,189,746	424,432,228	36,362,316¹	6,072,634¹	42,434,950
Industrial Groups, 1954						
Foods and beverages	38,176,781	13,016,410	51,193,191	1,099,628	68,880	1,168,508
Tobacco and tobacco products	442,862	245,874	688,736	19,428	—	19,428
Rubber products	1,869,063	2,130,735	3,999,798	262,254	8,973	271,227
Leather products	1,224,646	841,101	2,065,747	61,161	—	61,161
Textiles	7,109,569	5,136,416	12,245,985	595,324	106,719	702,043
Knitting mills	1,250,470	598,356	1,848,826	40,311	2,654	42,965
Clothing	1,339,793	1,541,717	2,881,510	62,794	19	62,813
Wood products	9,513,414	6,994,404	16,507,818	460,153	137,454	597,607
Paper products	51,930,326	36,350,314	88,280,640	11,304,231	4,456,099	15,760,330
Printing publishing and allied industries	2,263,160	2,349,934	4,613,094	145,080	—	145,080
Iron and steel products	28,538,328	17,196,712	45,735,040	2,139,214	190,972	2,330,186
Transportation equipment	10,416,125	7,039,357	17,455,482	696,073	62,678	758,751
Non-ferrous metal products	27,613,657	32,677,612	60,291,269	12,972,288	753,870	13,726,158
Electrical apparatus and supplies	3,718,048	3,705,678	7,423,726	372,265	1,460	373,725
Non-metallic mineral products	26,825,482	9,412,858	36,238,340	1,528,034	27,740	1,555,774
Products of petroleum and coal	33,521,085	3,874,137	37,395,222	535,956	860	536,816
Chemicals and allied products	17,736,776	14,476,471	32,213,247	3,942,223	254,256	4,196,479
Miscellaneous industries	1,752,897	1,601,660	3,354,557	125,899	—	125,899

1. In 1954, electricity previously reported as "generated for own use" in the Fertilizer Industry in British Columbia, has been treated as "electricity purchased"

TABLE 56. Power Equipment Installed in the Manufacturing Industries of Canada, 1926-48, with Details by Provinces and Industrial Groups, 1953

Year and province or group	Steam engines and turbines	Internal combustion engines	Hydraulic turbines and water wheels	Total	Electric motors operated by purchased power	Total power equipment	Electric motors operated by power generated by establishments reporting	Total electric motors
	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.
Totals, 1926.....	698,343	56,068	603,618	1,358,029	1,764,348	3,122,377	391,708	2,156,056
1929.....	762,697	60,841	645,270	1,468,808	2,386,840	3,855,648	495,921	2,882,761
1933.....	738,297	76,583	657,683	1,472,563	2,662,445	4,135,008	497,392	3,159,837
1937.....	834,703	98,233	649,557	1,582,493	3,129,790	4,712,283	602,955	3,732,745
1939.....	827,801	121,997	731,390	1,681,188	3,364,099	5,045,287	694,450	4,058,549
1944.....	1,013,615	288,312	729,216	2,031,143	4,437,296	6,468,439	779,717	5,217,013
1946.....	1,032,639	368,458	732,859	2,133,956	4,649,993	6,783,949	820,371	5,470,364
1948.....	1,076,411	544,888	1,150,308	2,771,607	5,387,807	8,159,414	931,312	6,319,119
Province, 1953								
Newfoundland.....	16,015	14,468	235,935	266,418	15,557	281,975	225,504	241,061
Prince Edward Island.....	651	3,323	632	4,606	3,034	7,640	—	3,034
Nova Scotia.....	58,880	38,590	13,100	110,570	144,638	255,208	82,711	227,349
New Brunswick.....	96,125	26,070	14,030	136,225	186,253	322,478	88,556	274,809
Quebec.....	233,411	111,508	253,880	598,799	2,887,658	3,486,457	173,419	3,061,077
Ontario.....	554,856	168,009	316,958	1,039,823	3,108,826	4,148,649	423,112	3,531,938
Manitoba.....	10,675	14,907	28	25,610	207,057	232,667	6,219	213,276
Saskatchewan.....	17,168	30,355	—	47,523	65,845	113,368	1,997	67,842
Alberta.....	67,015	94,608	—	161,623	176,037	337,660	23,620	199,657
British Columbia.....	236,959	238,120	127,065	602,144	606,857	1,209,001	278,403	885,260
Yukon and Northwest Territories.....	—	2,354	—	2,354	246	2,600	—	246
Totals, 1953.....	1,291,755 ¹	742,312	961,628	2,995,695	7,402,008	10,397,703	1,303,541	8,705,549
Industrial group, 1953								
Foods and beverages.....	76,515	53,946	22,074	152,535	623,869	776,404	50,343	674,212
Tobacco and tobacco products.....	466	375	—	841	10,345	11,186	—	10,345
Rubber products.....	6,038	182	1,500	7,720	134,452	142,172	270	134,722
Leather products.....	1,770	193	150	2,113	41,667	43,780	370	42,037
Textiles (except clothing).....	29,814	7,099	16,311	53,224	311,147	364,371	16,932	328,079
Knitting mills.....	643	235	—	878	25,693	26,571	—	25,693
Clothing, (textile and fur).....	257,627	522,452	31,836	811,915	441,268	1,253,183	94,301	535,569
Wood products.....	361,680	7,412	872,557	1,241,649	2,331,436	3,573,085	926,613	3,258,049
Paper products.....	619	1,043	—	1,662	78,320	79,982	—	78,320
Printing, publishing and allied industries.....	178,364	47,651	263	226,278	1,049,778	1,276,056	72,149	1,121,927
Iron and steel products.....	124,320	10,461	127	134,908	460,305	595,213	55,633	515,938
Transportation equipment.....	20,570	358	—	20,928	670,914	691,842	6,195	677,109
Non-ferrous metal products.....	8,372	6,646	3,975	18,993	240,343	259,336	—	240,343
Electrical apparatus and supplies.....	12,003	46,333	716	59,052	287,661	346,713	5,789	293,450
Non-metallic mineral products.....	116,324	22,971	6	139,301	158,884	298,185	14,260	173,144
Products of petroleum and coal.....	89,754	14,035	10,323	114,112	417,095	531,207	59,082	476,177
Chemicals and allied products.....	3,940	458	—	4,398	58,244	62,642	1,400	59,644
Miscellaneous industries.....	2,936	462	1,790	5,188	80,587	65,775	204	60,791

1. Includes "steam engines" 365,992 h.p. and "steam turbines" 925,763 h.p.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1948 and by Province and Industrial Group, 1953

No.	Year, Province or Group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		\$	\$	\$	\$	\$	\$	\$
1	1926 ⁷	34,500,291		2	2,173,178	533,928	4,157,935	692,404
2	1929 ⁷	15,832,290	21,754,377	2	1,844,736	707,058	2,332,823	430,258
3	1933 ⁷	7,571,912	10,770,107	2	1,033,154	522,626	1,574,426	254,510
4	1937 ⁴	15,648,467	16,255,262	2	1,253,376	759,600	5,169,524	799,060
5	1939.....	15,744,444	13,386,496	2	1,151,278	740,593	4,870,875	1,208,131
6	1944.....	19,785,479	55,667,410	2	2,231,277	1,522,417	7,909,168	7,278,337
7	1946.....	17,633,047	48,211,575	425,020	1,812,744	1,442,277	6,884,833	8,425,418
8	1948.....	28,160,528	73,315,170	440,737	2,274,727	1,598,940	9,575,838	13,442,363
Provinces								
9	Newfoundland ⁵	30,609	8,900	—	18,610	6	2,383	217,397
10	Prince Edward Island.....	63,452	6	—	3,970	—	3,009	55,732
11	Nova Scotia.....	2,405,727	6	—	21,105	—	114,936	717,053
12	New Brunswick.....	6,294,754	8,912	—	17,205	—	28,469	560,647
13	Quebec.....	16,556,360	13,913,475	18,383	1,210,156	1,087	2,430,104	5,664,514
14	Ontario.....	2,175,786	54,548,590	176,730	1,286,028	1,174,901	6,404,947	10,363,556
15	Manitoba.....	818,037	38,714	60,724	42,991	930,722	303,829	881,303
16	Saskatchewan.....	1,523,379	6	133,730	10,012	129,206	743	417,469
17	Alberta.....	146,985	6	158,490	496	5,095	200,134	1,085,336
18	British Columbia.....	4,487,496	4,024	67,073	18,933	6	133,470	2,920,732
19	Yukon and Northwest Territories.....	6	—	6	—	—	—	8,886
20	Totals—1953 ⁵	34,503,085	68,523,205	615,660	2,629,506	2,241,781	9,622,024	22,892,625
Industrial Groups								
21	Foods and Beverages.....	3,290,662	6,717,346	276,298	596,112	567,766	614,167	10,578,411
22	Tobacco and tobacco products.....	71,957	168,348	—	2,273	—	6	38,953
23	Rubber products.....	74,711	1,517,817	—	13,126	—	—	47,494
24	Leather products.....	93,287	707,792	2,179	40,802	10,624	1,203	65,218
25	Textiles.....	1,289,847	4,045,024	9,784	117,296	7,812	49,444	189,855
26	Knitting mills.....	131,048	591,854	6	55,357	—	3,310	14,811
27	Clothing.....	84,772	152,597	4,373	35,062	6	4,451	155,366
28	Wood products.....	333,461	502,891	42,430	71,148	35,341	45,030	4,191,266
29	Paper products.....	14,360,237	20,674,603	25,533	219,554	1,233,035	6	695,030
30	Printing publishing and allied industries.....	143,713	165,101	15,322	78,900	15,385	34,199	608,162
31	Iron and steel products.....	2,073,660	3,059,812	41,238	477,336	18,652	574,692	1,650,835
32	Transportation equipment.....	1,209,987	3,691,786	38,971	34,943	159,117	45,737	1,280,168
33	Non-ferrous metal products.....	5,473,656	7,013,489	3,911	518,818	—	4,187,111	360,700
34	Electrical apparatus and supplies.....	50,626	921,551	100,051	20,805	4,501	71,035	251,651
35	Non-metallic mineral products.....	4,767,750	9,107,760	44,664	103,810	165,439	836,112	1,673,833
36	Products of petroleum and coal.....	63,923	67,831	2,718	37,496	6	3,119,473	218,982
37	Chemicals and allied products.....	890,633	9,019,385	4,871	143,000	20,953	31,393	517,732
38	Miscellaneous industries.....	99,155	398,218	2,961	63,668	2,712	4,250	354,158

1. Exclusive of the Butter and Cheese industry in the province of Quebec.

2. Not collected.

3. Includes manufactured and natural.

4. Electricity purchased for metallurgical purposes in the non-ferrous Metal Smelting and Refining is included for the first time.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1948 and by Province and Industrial Group, 1953

Kerosene	Fuel oil	Wood	Gas			Other fuel	Total cost of fuel	Electricity		No.
			Liquified petroleum	Other manu- factured	Natural			Purchased ¹	Generated for sale ¹	
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
2	7,102,676	2,533,424	—	4,182,186 ³		804,478	56,680,500	26,235,597	2	1
51,743	7,874,831	2,604,803	—	5,218,678	905,039	809,305	60,365,941	37,775,877	904,791	2
39,870	4,566,630	1,635,716	—	4,097,925	729,385	727,081	33,523,342	33,092,334	36,393	3
52,438	8,580,369	1,636,098	—	6,148,643	1,256,276	2,015,923	59,575,036	50,032,810	288,842	4
59,635	8,560,418	1,562,119	—	6,506,782	1,385,110	1,887,250	57,063,131	50,569,121	405,690	5
216,651	21,822,975	2,340,460	—	13,779,303	3,110,803	2,219,490	137,883,770	87,699,383	1,219,086	6
213,947	23,872,464	2,189,271	—	12,086,381	1,881,984	2,100,659	127,179,620	83,273,105	1,589,447	7
635,233	50,987,211	1,991,384	—	20,507,352	2,080,617	4,053,739	209,063,839	94,475,355	887,402	8
5,235	3,010,358	3,700	757	268	—	66,752	3,365,144	402,741	578,345	9
8,304	89,547	9,544	6	—	—	1,913	235,595	120,816	—	10
12,457	3,123,339	17,633	10,701	2,461,083	6	40,520	8,924,710	2,626,854	129,615	11
27,517	1,444,299	121,415	31,193	845	3,804	18,322	8,557,382	2,777,981	224,404	12
279,135	26,177,860	574,398	386,297	5,245,156	6,189	953,420	73,416,534	72,347,718	199,313	13
651,980	30,106,445	404,106	1,079,461	15,794,554	1,809,133	2,278,592	128,254,809	57,989,157	1,156,749	14
4,822	2,444,306	53,217	5,588	453,314	8,151	32,959	6,078,677	3,593,228	6	15
6,973	1,243,687	15,846	12,477	937,027	45,703	23,331	4,499,849	1,867,963	—	16
10,979	572,066	7,733	25,377	1,538,193	2,771,469	25,787	6,548,320	3,384,917	2,494	17
68,122	8,720,825	156,860	33,240	1,194,789	17,690	1,365,099	19,188,948	7,452,773	188,813	18
6	102,078	3,654	520	16,850	9,495	—	142,525	12,180	6,271	19
1,075,536	77,034,810	1,368,106	1,585,671	27,642,079	4,671,710	4,806,695	259,212,493	132,576,328	2,486,054	20
189,749	9,543,593	499,610	470,892	1,421,186	851,250	752,828	36,369,870	12,378,184	7,823	21
6	98,336	6	6	1,720	6	23,039	405,706	233,519	—	22
1,412	171,492	—	—	28,106	949	—	1,855,107	1,869,603	—	23
1,309	229,421	10,236	4,108	10,509	997	45,390	1,223,075	833,666	—	24
35,444	1,710,961	7,800	6,849	23,055	13,824	305,943	7,812,938	5,321,459	100,390	25
6	366,618	6	2,216	6,424	5,168	30,676	1,208,002	615,743	3,036	26
7,890	339,240	6,662	2,250	73,366	8,651	54,946	929,932	1,461,460	—	27
66,548	2,601,633	189,197	14,158	20,612	89,573	139,590	8,342,878	6,558,952	134,413	28
217,946	10,675,135	125,092	20,907	62,809	22,615	1,117,086	49,449,594	34,067,301	1,704,286	29
12,659	619,081	29,084	16,270	188,420	44,675	7,917	1,978,888	2,187,472	—	30
69,375	15,554,102	47,963	76,557	7,967,415	787,151	282,828	32,681,616	18,772,675	—	31
304,605	3,041,994	17,894	410,001	258,707	484,405	122,878	11,101,193	6,677,704	—	32
74,563	7,463,882	18,439	171,282	376,777	141,390	36,383	25,840,401	31,862,007	10,139	33
3,114	1,352,015	6	94,761	494,616	20,404	104,978	3,490,134	3,466,610	—	34
54,657	7,044,494	379,374	190,443	355,522	1,019,255	195,869	25,938,982	9,035,509	194	35
2,003	12,702,760	6	57,391	14,109,212	805,437	1,155,055	32,342,588	2,883,158	115,029	36
33,078	3,130,855	22,470	37,257	2,134,197	346,654	429,466	16,761,944	12,778,994	410,744	37
1,110	389,198	13,484	10,178	109,626	29,104	1,823	1,479,645	1,572,312	—	38

5. Newfoundland included.

6. Included in the total.

7. For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable with current data.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1948 and by Province and Industrial Group, 1953

No.	Year, Province or Group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		Short ton						Imp. gal.
1	1926 ⁸	5,776,719		2	283,678	146,098	475,232	2,386,916
2	1929 ⁸	2,816,122	3,943,007	2	255,700	164,544	380,432	1,717,560
3	1933 ⁸	1,499,715	2,026,083	2	145,017	158,437	288,811	1,079,807
4	1937 ⁵	2,907,671	2,828,519	2	173,993	265,440	657,994	3,665,243
5	1939	2,893,613	2,262,378	2	167,465	238,698	596,077	5,306,656
6	1944	2,538,345	7,336,983	2	228,795	421,351	803,179	24,114,057
7	1946	2,208,110	5,794,992	70,450	179,139	394,689	691,152	27,537,378
8	1948	2,869,674	7,468,497	65,449	194,211	378,904	768,240	39,861,137
Provinces, 1953								
9	Newfoundland ⁶	1,457	572	—	565	7	75	529,226
10	Prince Edward Island.....	4,308	7	—	213	—	130	148,603
11	Nova Scotia	268,434	7	—	1,150	—	17,291	1,926,200
12	New Brunswick	577,273	428	—	788	—	1,414	1,474,182
13	Quebec	1,424,335	1,205,995	1,284	96,122	61	164,851	14,861,510
14	Ontario	180,893	5,601,856	14,730	92,024	215,188	415,436	30,230,092
15	Manitoba.....	93,158	2,799	5,566	2,520	229,618	26,178	2,405,040
16	Saskatchewan	118,325	7	19,173	953	21,088	42	1,119,749
17	Alberta	36,085	7	30,665	24	993	33,789	3,402,578
18	British Columbia.....	475,749	196	5,934	902	7	14,690	8,389,649
19	Yukon and Northwest Territories.....	7	—	7	—	—	—	34,865
20	Totals — 1953 ⁶	3,180,027	6,811,887	77,382	195,261	466,994	673,896	64,521,694
Industrial groups								
21	Foods and beverages	328,633	950,092	35,453	38,562	99,522	55,365	29,040,213
22	Tobacco and tobacco products	5,928	15,685	—	138	—	7	96,474
23	Rubber products.....	6,108	143,495	—	1,019	—	—	143,526
24	Leather products	6,970	61,730	137	2,530	1,854	314	162,180
25	Textile products (except clothing).....	114,254	352,936	1,052	8,280	1,127	4,587	478,106
26	Knitting mills.....	11,468	49,777	7	4,445	—	231	34,712
27	Clothing	6,300	12,372	324	2,066	7	244	396,228
28	Wood products	25,592	41,927	5,018	4,141	5,818	2,588	11,581,709
29	Paper products	1,302,466	1,908,175	2,766	18,993	228,818	7	1,858,802
30	Printing publishing and allied industries.....	11,206	12,421	1,353	4,488	1,360	2,166	1,657,829
31	Iron and steel products.....	214,330	274,336	3,039	35,374	2,391	53,279	4,604,247
32	Transportation equipment.....	116,587	361,247	12,496	1,852	88,457	2,198	4,171,307
33	Non-ferrous metal products	472,856	620,878	293	44,835	—	205,178	1,072,292
34	Electrical apparatus and supplies	4,054	84,074	9,349	1,638	685	2,676	684,202
35	Non-metallic mineral products.....	462,858	834,131	5,119	6,750	33,328	44,391	5,075,057
36	Products of petroleum and coal.....	7,527	6,413	215	4,011	7	298,862	1,055,996
37	Chemicals and allied products	75,613	1,048,011	549	12,083	3,426	1,579	1,481,180
38	Miscellaneous industries	7,277	34,187	200	4,056	172	220	927,634

1. Exclusive of the Butter and Cheese industry in the province of Quebec.

2. Not collected.

3. Includes manufactured and natural.

4. Value only, available.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1948 and by Province and Industrial Group, 1953

Kerosene	Fuel oil	Wood	Gas			Electricity			No.
			Liquified petroleum	Other manu- factured	Natural	Purchased ¹	Generated for own use ¹	Generated for sale ¹	
Imp. gal.	Imp. gal.	Cords	Imp. gal.	M. cu. ft.	M. cu. ft.	K.W.H.	K.W.H.	K.W.H.	
2	110,378,654	722,098	—	40,588,854 ³	—	4	2	2	1
227,469	150,910,662	655,975	—	41,828,619	4,558,391	4	1,150,974,484	53,593,323	2
239,141	115,926,083	549,712	—	23,119,514	3,118,402	9,771,514,859	1,241,399,928	2,108,460	3
334,125	167,824,977	504,261	—	59,952,258	5,802,210	17,092,769,974	2,328,675,496	48,534,697	4
437,201	195,134,885	475,320	—	71,881,777	6,112,911	17,072,764,222	2,357,668,720	76,571,743	5
1,309,144	349,495,395	408,227	—	118,057,302	12,598,361	25,777,238,678	2,752,124,500	127,214,139	6
1,244,716	376,006,524	348,440	—	95,490,776	8,744,901	25,250,876,449	2,714,261,524	166,073,767	7
3,752,703	482,218,705	309,127	—	146,548,124	9,962,480	24,907,413,154	4,590,676,828	203,779,877	8
21,197	38,630,785	875	1,200	337	—	22,407,973	889,099,581	73,741,208	9
39,721	575,242	1,092	7	—	—	4,275,053	—	—	10
68,334	38,831,591	2,942	28,832	9,160,345	7	312,042,310	186,025,502	2,268,147	11
131,522	15,442,084	13,381	143,532	603	6,907	416,335,088	374,004,156	23,048,360	12
1,424,064	295,396,902	107,071	1,988,818	9,685,624	9,269	21,679,033,019	774,883,353	37,200,455	13
4,043,728	283,958,615	107,566	7,160,369	45,160,430	2,264,359	9,248,881,874	2,073,067,248	174,065,563	14
19,109	33,277,575	7,373	12,715	966,272	84,830	744,971,436	6,655,476	—	15
74,553	19,763,247	1,635	59,293	2,027,756	312,962	376,505,303	40,353,303	—	16
40,849	7,065,887	9,034	265,319	4,003,936	18,791,004	397,140,226	177,135,910	154,200	17
236,403	99,499,841	48,322	179,705	2,416,154	20,829	824,255,940	2,379,358,264	39,335,081	18
7	2,200,080	177	700	20,035	26,109	287,088	860,395	91,942	19
6,099,492	834,641,949	299,468	9,840,533	73,441,492	21,516,353	34,026,135,310	6,901,443,188	349,904,956	20
1,092,228	86,133,020	143,082	2,382,365	1,946,197	3,853,369	1,026,992,879	43,762,028	4	21
7	894,678	7	7	1,542	7	18,395,122	—	—	22
7,644	1,591,168	—	—	24,666	930	250,293,275	7,746,538	—	23
6,073	1,770,715	1,480	23,508	11,060	2,294	51,273,752	—	—	24
159,916	16,089,771	4,654	43,363	35,517	115,013	593,379,571	79,385,307	16,771,995	25
7	2,972,511	7	61,925	19,806	33,327	44,933,022	1,087,342	94,894	26
44,385	2,214,879	633	6,800	55,310	22,758	63,561,527	—	—	27
231,842	12,840,758	41,353	46,704	40,772	316,547	405,273,835	159,303,992	17,489,401	28
1,748,942	144,749,232	43,261	69,190	58,677	100,537	10,563,309,215	4,273,111,554	303,439,710	29
45,283	4,186,951	3,224	49,645	189,494	94,989	126,596,161	—	—	30
387,279	151,161,280	5,290	372,570	29,646,345	901,290	2,457,260,357	167,522,145	—	31
1,644,049	25,415,962	2,530	3,312,643	524,900	840,894	676,396,250	109,239,945	—	32
307,029	79,647,081	580	1,161,558	425,421	154,342	12,600,473,735	790,145,193	4,256,671	33
11,036	11,229,837	7	468,473	460,376	24,732	348,406,599	10,219,867	—	34
207,984	74,043,802	45,657	1,019,718	521,255	6,309,267	1,742,252,798	25,049,859	24,200	35
10,028	188,029,524	7	569,875	35,678,503	5,967,827	381,405,296	10,777,270	91,942	36
190,931	29,016,733	6,031	227,415	3,715,157	2,738,403	2,545,458,571	1,224,087,148	7,736,143	37
4,506	2,653,947	1,566	24,485	86,494	39,626	130,473,345	5,000	—	38

5. Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

6. Newfoundland included.

7. Included in total.

8. For 1926, 1929 and 1933, fuel and electricity used by Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals already published in order to make the series comparable with current data.

PART II. PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

SECTION 1. TYPE AND CONCENTRATION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of Canada is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1954 amounted to \$13,928,953,858 or 79 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coal-fields of Pennsylvania, the water power and other varied resources of the provinces, and their nearness to the

larger markets of Canada and the United States have all contributed to this progress.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of tobacco and tobacco products, textiles (except clothing), clothing (textile and fur), and paper products. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 40 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 24 and 22 p.c. of the total. In each of the other groups Ontario and Quebec lead by a wide margin.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1954

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada						
Foods and beverages	8,090	177,883	477,058,728	2,334,166,626	1,181,648,171	3,562,546,744
Tobacco and tobacco products	53	9,469	27,868,939	144,960,769	79,439,243	225,340,976
Rubber products	73	20,894	67,476,405	106,501,858	149,073,979	264,184,787
Leather products	673	30,748	67,161,757	101,250,853	102,339,751	206,512,812
Textiles	975	64,581	170,196,140	350,113,694	275,492,879	640,870,047
Knitting mills	297	21,622	47,577,835	70,118,825	75,754,778	150,818,573
Clothing	2,733	89,693	191,494,875	339,959,417	307,783,966	650,714,545
Wood products	12,165	128,931	323,122,214	623,756,753	566,186,899	1,205,959,905
Paper products	559	87,370	331,556,026	742,032,309	802,280,157	1,630,162,601
Printing, publishing and allied industries	4,227	68,614	220,275,989	188,725,630	384,791,305	577,355,291
Iron and steel products	2,801	173,698	605,526,529	829,237,679	1,395,231,674	1,954,230,964
Transportation equipment	602	133,432	479,079,750	986,721,281	1,016,600,725	1,713,962,985
Non-ferrous metal products	573	50,494	182,191,321	717,966,073	486,933,852	1,263,774,817
Electrical apparatus and supplies	457	75,075	258,509,601	396,583,427	462,960,141	863,942,144
Non-metallic mineral products	1,160	35,229	114,849,079	145,120,516	256,951,758	435,208,000
Products of petroleum and coal	104	17,559	69,681,725	625,411,385	358,372,309	1,020,911,348
Chemicals and allied products	1,116	51,603	177,311,990	437,051,091	476,125,328	935,724,880
Miscellaneous industries	1,360	31,071	85,748,818	102,179,368	149,157,222	252,306,085
Totals	38,028	1,267,966	3,896,687,691	9,241,837,554	7,902,124,137	17,554,527,504
Newfoundland						
Foods and beverages	72	3,112	6,329,780	13,041,826	14,791,172	28,671,599
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	1	1	1	1	1	1
Leather products	4	65	141,902	173,924	77,154	253,370
Textiles	5	99	227,381	417,023	294,075	690,107
Knitting mills	—	—	—	—	—	—
Clothing	3	163	238,678	231,732	352,124	439,156
Wood products	633	1,562	1,809,225	3,816,794	3,040,779	6,871,210
Paper products	2	3,480	17,447,726	25,307,033	34,347,529	62,125,755
Printing, publishing and allied industries	30	399	1,103,681	569,898	1,861,967	2,477,892
Iron and steel products	10	429	1,260,253	1,018,492	2,102,230	3,174,154
Transportation equipment	6	31	51,983	35,497	49,878	87,247
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	14	343	1,020,379	1,042,736	1,768,383	3,070,180
Products of petroleum and coal	1	1	1	1	1	1
Chemicals and allied products	6	78	214,722	616,327	651,695	1,289,270
Miscellaneous industries	5	131	255,476	231,750	146,936	417,830
Totals	790	9,892	30,101,186	46,503,032	59,483,922	109,567,770
Prince Edward Island						
Foods and beverages	106	1,180	1,962,813	14,110,397	4,113,548	18,511,684
Tobacco and tobacco products	1	1	1	1	1	1
Rubber products	—	—	—	—	—	—
Leather products	1	1	1	1	1	1
Textiles	3	70	124,362	1,075,005	146,790	1,218,969
Knitting mills	—	—	—	—	—	—
Clothing	—	—	—	—	—	—
Wood products	76	243	276,408	580,284	487,939	1,089,050
Paper products	—	—	—	—	—	—
Printing, publishing and allied industries	9	150	345,626	152,591	543,396	709,569
Iron and steel products	4	26	57,450	51,589	63,175	120,876
Transportation equipment	1	1	1	1	1	1
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	4	17	35,429	20,820	57,472	80,851
Products of petroleum and coal	—	—	—	—	—	—
Chemicals and allied products	1	1	1	1	1	1
Miscellaneous industries	—	—	—	—	—	—
All other groups ²	7	88	198,123	1,010,865	632,429	1,738,744
Totals	209	1,774	3,000,211	17,001,551	6,044,749	23,469,743

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1954 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Nova Scotia						
Foods and beverages	383	8,070	15,361,172	56,386,277	33,106,926	90,275,132
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	4	90	159,635	184,445	243,506	452,329
Leather products	11	457	981,287	2,236,863	2,103,330	4,534,298
Textiles	5	719	1,268,857	2,615,364	2,121,621	4,885,055
Knitting mills	9	359	535,397	1,239,529	771,346	2,096,479
Clothing	806	4,321	6,374,480	16,329,778	12,512,219	23,376,623
Wood products	7	1,431	4,579,964	8,917,272	12,881,465	23,156,565
Paper products	123	1,286	3,204,985	2,227,816	6,245,040	8,590,086
Printing, publishing and allied industries	52	6,026	18,530,389	24,962,276	22,651,876	50,179,136
Iron and steel products	61	4,994	14,984,218	19,198,247	20,601,417	40,346,554
Transportation equipment	—	—	—	—	—	—
Non-ferrous metal products	1	1	1	1	1	1
Electrical apparatus and supplies	30	630	1,522,908	1,734,281	3,586,734	5,874,459
Non-metallic mineral products	1	1	1	1	1	1
Products of petroleum and coal	16	281	811,726	3,055,648	2,216,860	5,437,233
Chemicals and allied products	19	947	3,425,222	22,207,057	10,735,510	34,868,784
Miscellaneous industries	1,526	29,611	71,740,240	161,294,873	129,777,850	300,072,733
Totals						
New Brunswick						
Foods and beverages	343	6,836	12,768,067	73,754,044	31,756,019	107,538,346
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	9	306	543,209	993,865	1,111,886	2,055,507
Leather products	15	464	951,356	2,004,135	1,391,754	3,533,966
Textiles	1	1	1	1	1	1
Knitting mills	6	157	192,147	351,823	211,542	582,096
Clothing	509	3,888	6,922,345	16,667,000	12,783,313	29,961,580
Wood products	16	4,296	16,271,324	43,533,218	41,046,197	92,010,641
Paper products	69	943	2,341,385	1,387,179	4,077,218	5,541,542
Printing, publishing and allied industries	31	1,125	3,120,792	4,775,812	5,426,324	10,475,837
Iron and steel products	11	2,607	7,786,619	7,589,509	11,393,826	19,306,200
Transportation equipment	1	1	1	1	1	1
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	24	534	1,455,888	1,338,416	3,247,352	5,632,522
Non-metallic mineral products	1	1	1	1	1	1
Products of petroleum and coal	7	147	429,175	2,810,179	1,080,094	4,014,430
Chemicals and allied products	17	804	2,327,121	2,010,741	4,490,290	6,697,933
Miscellaneous industries	1,057	22,107	55,109,428	157,215,921	118,015,815	287,350,600
Totals						
Quebec						
Foods and beverages	2,637	45,560	118,231,022	614,601,202	303,623,817	929,822,568
Tobacco and tobacco products	32	7,353	23,271,387	77,810,195	69,106,699	147,475,933
Rubber products	29	6,241	17,747,509	19,445,110	28,785,656	49,773,548
Leather products	358	16,512	32,900,963	46,817,764	50,166,762	97,861,426
Textiles	466	37,020	95,349,963	189,839,896	145,963,258	344,191,059
Knitting mills	148	9,981	21,250,598	31,587,704	35,706,789	68,712,974
Clothing	1,629	56,282	115,781,743	219,656,058	192,614,396	413,403,984
Wood products	3,355	32,660	68,748,496	141,514,423	118,023,828	262,264,384
Paper products	189	34,268	127,440,055	290,073,029	317,890,921	649,259,632
Printing, publishing and allied industries	1,166	18,623	57,577,810	52,711,244	102,257,700	155,758,884
Iron and steel products	650	40,053	132,356,933	170,291,567	245,470,577	422,192,577
Transportation equipment	115	35,452	123,388,613	153,546,050	152,196,061	309,853,336
Non-ferrous metal products	189	18,401	64,813,642	287,690,107	181,749,903	501,922,049
Electrical apparatus and supplies	92	20,466	72,035,705	90,291,554	121,032,361	207,400,600
Non-metallic mineral products	327	10,167	32,394,286	39,139,691	68,900,892	119,412,812
Products of petroleum and coal	16	3,900	15,280,994	205,116,777	114,277,668	331,237,246
Chemicals and allied products	367	21,647	71,384,181	144,825,598	157,777,274	311,616,125
Miscellaneous industries	436	9,509	24,707,500	31,290,934	42,532,776	74,427,507
Totals	12,191	424,095	1,214,661,400	2,806,248,363	2,448,027,538	5,395,786,644
Ontario						
Foods and beverages	2,876	70,986	199,517,711	896,394,828	509,564,667	1,423,775,749
Tobacco and tobacco products	38	2,103	4,574,981	67,131,660	10,305,257	77,817,667
Rubber products	38	14,523	49,434,804	86,953,292	120,109,371	214,046,655
Leather products	239	12,557	30,852,794	48,711,066	46,894,433	97,481,405
Textiles	384	24,571	67,645,412	138,491,611	117,397,196	263,280,143
Knitting mills	131	10,505	24,182,078	34,407,956	36,160,702	73,994,423
Clothing	816	24,726	57,642,491	86,305,922	86,955,360	174,510,534
Wood products	2,576	34,995	89,435,903	145,850,953	144,911,973	294,643,124
Paper products	270	33,559	123,425,595	278,531,263	276,296,102	578,502,365
Printing, publishing and allied industries	1,739	34,609	116,709,559	102,182,375	202,919,415	306,995,604
Iron and steel products	1,440	110,050	394,667,127	547,747,167	705,520,734	1,280,476,405
Transportation equipment	245	76,646	287,159,795	764,473,548	455,910,714	1,239,635,286
Non-ferrous metal products	304	26,001	92,564,809	331,457,194	262,459,808	614,950,612
Electrical apparatus and supplies	501	52,882	181,593,191	296,312,863	331,918,528	636,590,856
Non-metallic mineral products	329	18,244	62,033,368	78,998,349	140,186,392	235,254,019
Products of petroleum and coal	35	8,075	32,220,122	204,459,701	130,257,423	348,012,142
Chemicals and allied products	550	24,725	86,759,306	239,579,301	257,894,377	513,632,938
Miscellaneous industries	687	19,151	54,348,342	64,547,899	95,067,578	159,567,287
Totals	13,178	598,914	1,994,767,388	4,412,536,948	3,930,730,030	8,533,167,214

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1954 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Manitoba						
Foods and beverages	364	9,886	29,023,916	171,018,525	67,200,005	240,536,393
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	26	689	1,375,372	2,542,398	2,175,798	4,827,486
Textiles	38	858	1,997,706	6,758,817	3,705,854	10,532,392
Knitting mills	3	78	143,042	424,679	308,254	726,080
Clothing	157	5,509	11,778,351	23,118,663	17,821,976	41,513,518
Wood products	325	3,124	7,555,781	13,482,581	11,827,348	25,583,096
Paper products	22	1,344	4,542,439	12,545,818	14,411,696	28,096,198
Printing, publishing and allied industries	263	3,852	11,076,738	9,705,580	18,684,641	28,644,682
Iron and steel products	125	4,894	16,383,477	22,568,852	33,709,879	57,356,444
Transportation equipment	26	6,530	19,646,756	18,722,225	23,684,250	43,104,899
Non-ferrous metal products	16	470	1,634,354	6,441,387	6,534,419	13,397,633
Electrical apparatus and supplies	19	919	2,446,749	4,451,645	4,941,834	9,447,946
Non-metallic mineral products	38	1,060	3,058,887	4,184,867	8,568,730	14,354,175
Products of petroleum and coal	7	675	2,449,980	24,049,389	10,894,627	36,302,368
Chemicals and allied products	41	698	1,890,054	6,629,932	5,205,052	11,934,183
Miscellaneous industries	52	638	1,451,284	2,182,251	2,813,380	5,051,279
Totals	1,522	41,224	116,454,886	328,827,609	232,487,743	571,408,772
Saskatchewan						
Foods and beverages	227	5,000	14,717,611	88,582,242	37,304,033	127,933,447
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	1	1	1	1	1	1
Textiles	8	66	140,562	952,867	269,444	1,224,637
Knitting mills	1	1	1	1	1	1
Clothing	14	215	509,944	724,099	950,949	1,622,229
Wood products	455	1,745	3,352,433	5,732,079	6,804,111	12,757,441
Paper products	4	49	97,403	124,750	152,871	251,170
Printing, publishing and allied industries	177	1,525	4,249,722	2,841,505	7,218,486	10,204,046
Iron and steel products	50	739	2,235,436	3,384,549	4,005,334	7,456,983
Transportation equipment	8	23	55,113	59,445	85,323	152,375
Non-ferrous metal products	1	1	1	1	1	1
Electrical apparatus and supplies	1	1	1	1	1	1
Non-metallic mineral products	29	310	878,163	764,099	2,266,253	3,217,852
Products of petroleum and coal	12	1,146	4,556,124	51,729,549	22,903,091	77,324,150
Chemicals and allied products	9	199	697,766	2,217,228	1,531,183	3,257,153
Miscellaneous industries	17	531	2,060,559	12,234,659	21,096,465	35,350,961
Totals	1,010	11,526	33,509,833	169,326,001	104,560,398	280,733,784
Alberta						
Foods and beverages	414	10,805	31,527,949	191,881,350	68,211,919	263,661,620
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	1	1	1	1	1	1
Leather products	11	48	121,319	110,499	174,170	281,524
Textiles	15	352	1,171,957	3,601,643	1,578,290	4,265,785
Knitting mills	4	49	97,403	124,750	152,871	251,170
Clothing	27	880	1,804,184	3,400,410	3,626,920	6,989,477
Wood products	975	5,830	12,130,299	27,606,322	25,711,305	54,359,984
Paper products	14	439	1,371,216	4,449,249	3,161,754	7,672,824
Printing, publishing and allied industries	243	2,244	6,616,071	5,519,183	13,129,421	18,792,544
Iron and steel products	145	3,143	10,421,397	15,387,215	18,354,301	34,294,160
Transportation equipment	21	2,814	9,333,136	9,427,111	10,079,862	19,809,601
Non-ferrous metal products	13	367	1,433,419	2,489,411	955,982	3,614,188
Electrical apparatus and supplies	6	58	162,567	498,371	461,278	971,980
Non-metallic mineral products	76	2,442	7,459,869	10,969,221	17,919,297	30,159,491
Products of petroleum and coal	21	1,587	6,386,674	60,579,313	38,551,675	101,979,156
Chemical and allied products	31	1,427	6,017,895	10,088,705	15,475,127	25,923,020
Miscellaneous industries	36	280	854,464	392,236	1,783,337	2,241,179
Totals	2,052	32,765	96,909,889	346,524,989	219,327,509	575,277,702
British Columbia						
Foods and beverages	662	16,426	47,565,159	214,323,520	111,852,362	331,616,106
Tobacco and tobacco products	1	1	1	1	1	1
Rubber products	4	44	130,100	59,611	203,673	277,834
Leather products	20	477	1,061,313	1,710,922	1,488,984	3,266,027
Textiles	40	624	1,606,154	4,735,834	2,642,888	7,398,691
Knitting mills	4	228	489,331	749,359	1,093,361	1,805,490
Clothing	72	1,402	3,011,940	4,931,181	4,479,353	9,557,073
Wood products	2,437	40,487	126,337,447	251,914,234	229,715,315	488,408,251
Paper products	45	8,526	36,421,307	78,571,747	102,118,767	189,106,111
Printing, publishing and allied industries	405	4,973	16,998,210	11,414,409	27,794,435	39,564,851
Iron and steel products	293	7,209	26,483,603	39,043,595	47,917,950	88,488,429
Transportation equipment	107	4,297	16,579,618	13,595,556	27,496,960	41,484,987
Non-ferrous metal products	47	4,396	18,569,636	77,274,091	11,921,756	91,851,649
Electrical apparatus and supplies	37	641	2,122,412	4,790,840	4,398,771	9,092,987
Non-metallic mineral products	89	1,482	4,989,902	6,928,036	10,450,253	19,151,639
Products of petroleum and coal	8	1,313	5,334,450	56,856,513	29,976,030	89,885,638
Chemicals and allied products	6	2,360	9,000,599	25,789,402	33,754,544	56,342,574
Miscellaneous industries	106	962	3,101,733	2,196,519	4,507,458	6,837,905
Totals	4,462	95,867	319,802,914	794,885,369	651,812,595	1,474,156,242

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1954 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added of manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Yukon and Northwest Territories						
Foods and beverages	6	22	53,528	72,415	123,703	204,100
Wood products	18	76	179,397	262,305	368,769	645,162
Printing, publishing and allied industries	3	10	52,202	13,850	59,586	75,591
Miscellaneous industries ¹	4	83	345,189	1,144,328	1,303,575	2,611,447
Totals	31	191	630,316	1,492,898	1,855,633	3,536,300

1. Confidential. Included with miscellaneous industries.
2. Confidential. Includes all groups marked with 1.
3. Includes all groups for which figures cannot be published and which are marked with 1.
4. Includes iron and steel products, non-ferrous metal products, products of petroleum and coal, and chemicals and allied products.
5. Publication of these figures was authorized by the firms concerned.

The degree of concentration of manufacturing in large units is illustrated in Table 2. In Newfoundland 41.1 p.c. of all persons engaged in manufacturing were employed in establishments having 500 or more employees, as compared with 35.9 p.c. for Canada as a whole. Newfoundland thus assumed the premier position in 1954, displacing Ontario which ranked

first formerly. Ontario ranked second with 39.2 p.c., followed by Quebec with 36.9 p.c., Nova Scotia 29.5 p.c., New Brunswick 29.1 p.c., British Columbia 26.6 p.c., Manitoba 23.5 p.c., and Alberta 15.1 p.c. There were no plants in either Prince Edward Island or Saskatchewan with an employment of 500 or more persons.

TABLE 2. Concentration of Manufacturing Production in Each Province, 1954

Province	Number of establishments employing 500 or more persons	Percentage of total number of establishments in province	Provincial percentage of number of employees accounted for by these establishments
Newfoundland	3	0.4	41.1
Prince Edward Island	—	—	—
Nova Scotia	6	0.4	29.5
New Brunswick	7	0.7	29.1
Quebec	128	1.0	36.9
Ontario	182	1.4	39.2
Manitoba	9	0.6	23.5
Saskatchewan	—	—	—
Alberta	7	0.3	15.1
British Columbia	28	0.6	26.6
Yukon and Northwest Territories	—	—	—
Canada	370	1.0	35.9

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1954

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Under 5 employees	17,127	37,064	57,749,916	6,739,208	192,403,264	309,999,121
5 to 14 employees	9,705	79,733	184,269,971	15,800,085	475,699,140	834,785,279
15 " 49 "	6,235	166,443	430,672,005	31,082,780	1,021,651,172	1,878,184,579
50 " 99 "	2,055	141,035	384,281,017	29,649,047	886,707,050	1,677,677,804
100 " 199 "	1,130	156,362	450,297,964	39,317,126	1,129,575,564	2,095,732,100
200 " 499 "	726	221,172	700,938,402	82,577,674	1,719,949,837	3,349,692,144
500 " 999 "	242	168,374	579,163,387	89,984,330	1,503,180,559	2,889,004,509
1,000 " 1,499 "	66	80,003	280,960,726	33,889,502	593,271,641	1,191,398,077
1,500 and over	62	201,973	754,289,254	95,373,616	1,715,550,045	3,323,451,547
Not classifiable	680	—	—	10	3,869,282	4,602,344
Head Offices ¹	—	15,807	74,065,049	18,850	—	—
Totals	38,028	1,267,966	3,896,687,691	424,432,228	9,241,857,554	17,554,527,504
Newfoundland:						
Under 5 employees	645	1,042	710,078	89,193	1,229,658	2,720,291
5 to 14 employees	59	509	927,059	112,431	1,815,687	3,724,133
15 " 49 "	52	1,335	2,970,647	351,852	6,101,011	13,259,376
50 " 99 "	17	1,227	2,923,916	226,824	4,357,254	10,241,535
100 " 199 "	11	1,436	3,528,496	577,938	5,612,616	12,379,414
200 " 499 "	1	—	—	—	—	—
500 " 999 "	1	—	—	—	—	—
1,000 " 1,499 "	1	4,326	19,010,150	2,698,445	27,386,806	67,243,021
1,500 and over	1	—	—	—	—	—
Not classifiable	2	—	—	—	—	—
Head Offices ¹	—	17	30,840	—	—	—
Totals	790	9,892	30,101,186	4,056,683	46,503,032	109,567,770

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1954 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	£	£	\$
Prince Edward Island:						
Under 5 employees	124	232	252,969	35,975	1,575,749	2,194,983
5 to 14 employees	50	405	549,283	90,873	3,417,969	4,825,365
15 " 49 "	29	706	1,154,027	145,536	6,008,603	8,194,264
50 " 99 "	2					
100 " 199 "	2	431	1,043,932	94,343	5,999,230	8,255,131
Not classifiable	2					
Totals	209	1,774	3,000,211	366,727	17,001,551	23,469,743
Nova Scotia:						
Under 5 employees	820	1,651	1,807,525	195,610	6,279,537	10,238,942
5 to 14 employees	397	3,252	5,610,882	617,994	18,596,396	30,433,247
15 " 49 "	180	4,596	8,526,108	1,060,866	27,390,633	45,105,087
50 " 99 "	50	3,455	7,192,555	859,352	17,000,290	33,474,888
100 " 199 "	22	2,895	6,447,512	897,266	11,279,624	24,804,143
200 " 499 "	15	4,954	14,134,713	2,823,452	41,450,916	72,776,163
1,500 and over	6	8,744	27,795,233	4,345,152	39,230,999	83,148,314
Not classifiable	36				66,478	91,949
Head Offices ¹	—	64	225,712	—	—	—
Totals	1,526	29,611	71,740,240	10,799,692	161,294,873	300,072,733
New Brunswick:						
Under 5 employees	584	1,192	1,344,356	157,948	3,796,074	6,578,768
5 to 14 employees	256	2,085	3,538,654	443,312	11,000,061	18,686,773
15 " 49 "	128	3,430	6,668,194	769,456	22,730,773	35,550,033
50 " 99 "	39	2,576	5,226,226	650,469	18,757,757	29,875,649
100 " 199 "	24	3,126	6,817,030	1,177,672	16,207,693	33,886,161
200 " 499 "	10	3,097	9,553,596	2,592,091	25,518,848	47,189,371
500 " 999 "	4	2,795	8,948,463	3,064,855	39,575,838	69,585,894
1,000 " 1,499 "	3	3,643	12,182,065	3,157,699	19,598,401	45,960,028
Not classifiable	9				30,476	37,923
Head Offices ¹	—	163	830,844	—	—	—
Totals	1,057	22,107	55,109,428	12,013,502	157,215,921	287,350,600
Quebec:						
Under 5 employees	5,366	11,915	18,556,605	2,262,279	90,258,058	130,113,055
5 to 14 employees	3,100	25,467	54,348,445	4,197,967	161,327,900	269,026,235
15 " 49 "	2,165	58,254	134,229,539	8,129,562	307,542,387	568,082,176
50 " 99 "	671	46,199	110,609,707	7,819,529	227,718,357	444,468,329
100 " 199 "	352	48,641	128,906,488	10,666,958	299,930,549	557,579,519
200 " 499 "	225	69,260	198,730,452	23,609,979	470,936,266	912,309,745
500 " 999 "	83	59,178	193,845,450	46,316,109	687,658,320	1,260,631,336
1,000 " 1,499 "	26	31,509	109,007,682	17,533,585	246,819,787	463,450,437
1,500 and over	19	65,723	230,496,212	29,950,218	312,549,439	788,471,717
Not classifiable	184				1,507,300	1,654,095
Head Offices ¹	—	7,949	35,930,820	—	—	—
Totals	12,191	424,095	1,214,661,400	150,486,186	2,806,248,363	5,395,786,644
Ontario:						
Under 5 employees	4,973	11,139	19,803,465	2,388,758	56,248,690	94,736,994
5 to 14 employees	3,499	29,090	72,028,137	5,869,172	164,934,105	301,888,497
15 " 49 "	2,468	66,887	186,694,139	13,790,047	420,938,328	792,097,084
50 " 99 "	889	60,829	176,748,680	13,153,053	390,963,496	749,249,397
100 " 199 "	549	76,319	230,624,316	17,239,861	535,755,055	1,014,036,574
200 " 499 "	378	114,918	375,380,116	33,361,701	773,266,047	1,569,841,364
500 " 999 "	122	83,435	292,736,009	34,514,466	557,363,919	1,184,534,483
1,000 " 1,499 "	28	34,402	123,404,521	10,321,133	255,855,749	532,661,905
1,500 and over	32	116,660	451,574,911	56,129,029	1,255,587,910	2,262,608,325
Not classifiable	240				1,623,649	1,812,591
Head Offices ¹	—	5,235	25,773,094	—	—	—
Totals	13,178	598,914	1,954,767,388	186,767,220	4,412,536,948	8,533,167,214
Manitoba:						
Under 5 employees	651	1,473	2,535,850	259,689	6,165,795	11,142,015
5 to 14 employees	389	3,143	7,307,940	733,171	25,064,577	39,794,991
15 " 49 "	243	6,549	16,711,524	1,220,253	44,961,877	77,456,960
50 " 99 "	104	7,094	19,143,814	1,428,905	52,784,263	91,444,337
100 " 199 "	50	7,075	20,033,717	3,158,020	59,315,948	110,790,384
200 " 499 "	21	5,963	19,262,462	2,156,040	50,218,104	99,878,353
500 " 999 "	4	2,651	8,873,522	674,040	41,997,586	59,944,406
1,000 " 1,499 "	3					
1,500 and over	2	7,057	21,695,307	732,840	48,127,906	80,754,075
Head Offices ¹	—	219	890,750	—	—	—
Not classifiable	55				191,553	203,251
Totals	1,522	41,224	116,454,886	10,362,958	328,827,609	571,408,772

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1954 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Saskatchewan:						
Under 5 employees	633	1,181	1,626,091	195,978	3,893,691	7,394,894
5 to 14 employees	226	1,799	4,249,446	521,487	13,975,425	23,081,824
15 " 49 "	82	2,091	5,972,893	639,044	17,454,830	30,400,302
50 " 99 "	25	1,750	5,352,193	481,697	16,685,383	31,893,741
100 " 199 "	15	1,886	5,938,393	1,010,474	32,592,792	49,963,988
200 " 499 "	8	2,567	9,414,662	4,271,400	84,657,089	137,929,295
Not classifiable	21	—	—	—	66,791	69,740
Head Offices ¹	—	252	956,155	—	—	—
Totals	1,010	11,526	33,509,833	7,120,080	169,326,001	280,733,784
Alberta:						
Under 5 employees	1,134	2,266	3,159,174	381,498	8,411,036	14,762,345
5 to 14 employees	503	3,985	9,662,498	905,039	27,015,124	46,991,298
15 " 49 "	234	5,954	16,899,799	1,399,391	41,720,343	79,549,838
50 " 99 "	75	5,144	15,041,896	997,789	48,903,779	82,050,711
100 " 199 "	27	3,744	11,143,693	1,803,091	54,066,552	93,364,845
200 " 499 "	24	6,506	23,570,935	5,045,841	99,520,957	166,761,611
500 " 999 "	6	—	—	—	—	—
1,000 " 1,499 "	1	4,957	16,569,391	489,434	66,792,475	91,689,239
1,500 and over	2	—	—	—	—	—
Not classifiable	48	—	—	—	94,723	107,815
Head Offices ¹	—	209	872,503	—	—	—
Totals	2,052	32,765	96,909,889	11,022,083	346,524,989	575,277,702
British Columbia:						
Under 5 employees	2,177	4,924	7,839,825	773,290	14,371,140	29,667,065
5 to 14 employees	1,218	9,942	25,858,954	2,268,787	47,869,022	95,328,534
15 " 49 "	653	16,625	50,826,105	3,574,658	126,776,027	228,411,153
50 " 99 "	182	12,551	41,455,752	3,870,221	108,596,772	202,181,440
100 " 199 "	78	10,949	36,102,030	2,702,665	109,155,499	191,477,698
200 " 499 "	44	13,649	50,491,564	8,686,268	173,506,017	311,735,480
500 " 999 "	22	15,825	60,440,630	4,847,317	114,004,472	228,023,258
1,000 " 1,499 "	4	—	—	—	—	—
1,500 and over	2	9,703	38,233,723	4,504,028	100,336,442	186,730,207
Not classifiable	82	—	—	—	269,978	601,407
Head Offices ¹	—	1,699	8,554,331	18,850	—	—
Totals	4,462	95,867	319,802,914	31,246,094	794,885,369	1,474,156,242
Yukon and Northwest Territories:						
Under 5 employees	20	49	113,978	15,548	171,336	449,769
5 to 14 employees	8	56	188,673	23,294	682,874	1,004,382
15 " 49 "	1	—	—	—	—	—
50 " 99 "	1	86	327,665	152,161	638,688	2,082,149
Not classifiable	1	—	—	—	—	—
Totals	31	191	630,316	191,003	1,492,898	3,536,300

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1954

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Under \$10,000	9,407	13,847	14,331,317	1,448,389	18,879,415	40,407,059
\$ 10,000 to \$ 24,999	6,327	20,861	34,697,750	2,997,986	47,926,728	105,226,610
25,000 " 49,999	5,278	30,990	61,315,402	4,676,728	89,404,432	139,699,244
50,000 " 99,999	4,705	46,864	104,379,619	7,264,480	165,883,381	337,580,457
100,000 " 199,999	4,070	66,399	161,491,553	11,235,813	301,101,515	577,543,265
200,000 " 499,999	3,833	127,589	324,972,158	20,001,651	619,406,872	1,209,151,102
500,000 " 999,999	1,883	123,589	336,286,051	28,393,199	704,098,854	1,390,925,128
1,000,000 " 4,999,999	1,958	328,118	993,041,868	73,230,277	2,061,070,276	4,065,420,589
5,000,000 and over	567	493,912	1,792,106,924	275,164,855	5,234,086,081	9,638,574,050
Head Offices ¹	—	15,807	74,065,049	18,850	—	—
Totals	38,028	1,267,966	3,896,687,691	424,432,228	9,241,857,554	17,554,527,504
Newfoundland:						
Under \$10,000	596	885	449,763	57,225	737,546	1,667,004
\$ 10,000 to \$ 24,999	54	230	338,056	31,152	441,168	947,159
25,000 " 49,999	39	296	459,608	49,338	686,345	1,361,239
50,000 " 99,999	21	363	646,588	58,212	723,742	1,482,714
100,000 " 199,999	32	746	1,515,606	128,462	2,332,560	4,737,714
200,000 " 499,999	16	666	1,662,589	199,252	2,636,305	5,802,920
500,000 " 999,999	18	1,315	3,020,245	311,507	5,833,228	11,614,975
1,000,000 " 4,999,999	12	5,374	21,977,891	3,221,535	33,112,138	81,954,045
5,000,000 and over	2	—	—	—	—	—
Head Offices ¹	—	17	30,840	—	—	—
Totals	790	9,892	30,101,186	4,056,683	46,503,032	109,567,770

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1954—Continued

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Prince Edward Island:						
Under \$10,000	84	116	81,461	10,652	170,799	360,273
\$ 10,000 to \$ 24,999	29	96	104,905	18,766	301,608	494,994
25,000 " 49,999	22	132	168,950	16,102	562,566	839,606
50,000 " 99,999	30	294	383,288	58,951	1,451,872	2,197,660
100,000 " 199,999	24	416	638,234	65,139	2,039,519	3,201,865
200,000 " 499,999	11	227	453,379	42,653	2,532,183	3,429,684
500,000 " 999,999	7					
1,000,000 " 4,999,999	1	493	1,169,994	154,464	9,943,004	12,945,661
5,000,000 and over	1					
Head Offices ¹	—	—	—	—	—	—
Totals	209	1,774	3,000,211	366,727	17,001,531	23,469,743
Nova Scotia:						
Under \$10,000	568	856	605,597	60,341	1,107,596	2,241,481
\$ 10,000 to \$ 24,999	244	822	1,067,892	87,515	1,967,728	3,921,465
25,000 " 49,999	220	1,379	2,144,619	218,853	3,952,976	7,852,628
50,000 " 99,999	169	1,735	2,821,646	279,326	6,951,061	12,303,824
100,000 " 199,999	133	2,396	4,433,939	424,756	10,536,613	19,082,235
200,000 " 499,999	102	3,311	6,283,378	806,953	18,818,772	31,425,561
500,000 " 999,999	46	3,056	6,839,771	847,070	18,709,543	32,481,630
1,000,000 " 4,999,999	38	8,136	20,450,528	1,987,424	42,026,448	81,888,001
5,000,000 and over	6	7,856	26,867,158	6,087,454	57,224,136	108,875,908
Head Offices ¹	—	64	225,712	—	—	—
Totals	1,526	29,611	71,740,240	10,799,692	161,294,873	300,072,733
New Brunswick:						
Under \$10,000	385	592	423,932	44,525	831,078	1,599,893
\$ 10,000 to \$ 24,999	181	741	766,444	74,915	1,487,450	2,917,967
25,000 " 49,999	140	806	1,229,223	114,873	2,694,516	5,009,892
50,000 " 99,999	122	1,287	2,091,086	217,139	4,548,149	8,660,314
100,000 " 199,999	83	1,632	2,818,680	291,743	6,666,690	11,705,603
200,000 " 499,999	75	2,732	5,734,879	748,515	13,251,112	24,167,866
500,000 " 999,999	23	1,608	3,795,557	354,359	9,529,776	16,845,910
1,000,000 " 4,999,999	37	5,110	11,935,124	1,803,523	37,508,437	66,713,118
5,000,000 and over	11	7,385	25,483,659	8,363,910	80,698,713	149,730,037
Head Offices ¹	—	163	830,844	—	—	—
Totals	1,057	22,107	55,109,428	12,013,502	157,215,921	287,350,600
Quebec:						
Under \$10,000	2,444	3,625	4,757,775	422,551	5,908,295	11,637,874
\$ 10,000 to \$ 24,999	2,130	6,977	10,990,364	943,036	17,203,051	35,471,587
25,000 " 49,999	1,872	11,388	20,445,294	1,434,942	33,964,973	67,731,923
50,000 " 99,999	1,704	17,560	35,603,706	2,169,757	63,863,028	122,711,283
100,000 " 199,999	1,410	23,419	51,152,553	3,013,666	110,618,385	200,805,651
200,000 " 499,999	1,311	45,500	104,018,860	5,347,668	217,424,404	406,961,844
500,000 " 999,999	617	44,795	107,650,849	13,028,471	256,543,935	500,980,720
1,000,000 " 4,999,999	537	97,236	270,489,348	21,120,741	559,274,301	1,098,610,360
5,000,000 and over	166	165,646	573,621,831	103,005,354	1,541,447,991	2,950,875,402
Head Offices ¹	—	7,949	35,930,820	—	—	—
Totals	12,191	424,095	1,214,661,400	150,486,186	2,806,248,363	5,395,786,644
Ontario:						
Under \$10,000	2,469	3,672	4,224,014	435,698	4,866,158	11,210,463
\$ 10,000 to \$ 24,999	2,054	6,633	12,141,529	1,039,885	14,946,287	34,420,268
25,000 " 49,999	1,798	10,292	22,311,041	1,682,788	29,614,252	64,698,960
50,000 " 99,999	1,701	16,530	40,004,878	2,696,448	58,252,256	121,755,078
100,000 " 199,999	1,547	25,662	67,157,213	4,697,236	109,906,914	218,969,677
200,000 " 499,999	1,566	54,306	147,715,954	8,595,999	237,752,474	497,038,871
500,000 " 999,999	803	52,355	152,657,532	9,397,534	275,119,933	568,120,802
1,000,000 " 4,999,999	963	170,003	538,009,217	35,166,769	996,334,625	2,043,249,027
5,000,000 and over	277	254,226	944,772,916	123,054,863	2,685,744,049	4,973,704,068
Head Offices ¹	—	5,235	25,773,094	—	—	—
Totals	13,178	598,914	1,954,767,388	186,767,220	4,412,536,948	8,533,167,214
Manitoba:						
Under \$10,000	379	520	551,569	53,755	778,778	1,652,131
\$ 10,000 to \$ 24,999	286	986	1,685,843	132,842	2,068,209	4,721,121
25,000 " 49,999	187	1,146	2,461,865	171,480	2,898,434	6,684,107
50,000 " 99,999	156	1,694	3,931,167	374,832	5,308,655	11,491,464
100,000 " 199,999	156	2,327	5,908,251	442,007	11,806,745	22,066,332
200,000 " 499,999	175	5,829	14,399,730	892,380	31,115,872	57,916,997
500,000 " 999,999	81	5,021	13,686,233	769,362	29,680,044	56,130,245
1,000,000 " 4,999,999	83	11,552	34,471,364	3,368,519	92,926,907	167,629,774
5,000,000 and over	19	11,930	38,468,114	4,157,781	152,243,965	243,116,601
Head Offices ¹	—	219	890,750	—	—	—
Totals	1,522	41,224	116,454,886	10,362,958	328,827,609	571,408,772

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1954—Concluded

Province and size group	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Saskatchewan:						
Under \$10,000	477	653	533, 140	63, 696	679, 604	1, 635, 196
\$ 10,000 to \$ 24,999	156	531	931, 400	84, 451	1, 004, 604	2, 532, 000
25,000 " 49,999	101	567	1, 154, 853	112, 088	1, 507, 794	3, 592, 867
50,000 " 99,999	76	691	1, 696, 809	166, 694	2, 190, 855	5, 364, 229
100,000 " 199,999	65	811	2, 314, 768	244, 739	4, 768, 003	9, 258, 947
200,000 " 499,999	70	1, 615	4, 641, 387	494, 220	12, 318, 038	21, 843, 672
500,000 " 999,999	25	1, 181	3, 338, 718	280, 008	10, 622, 160	17, 387, 312
1,000,000 " 4,999,999	30	2, 444	7, 548, 166	619, 608	27, 430, 966	49, 672, 825
5,000,000 and over	10	2, 781	10, 394, 437	5, 054, 576	108, 803, 977	169, 466, 736
Head Offices ¹	—	252	956, 155	—	—	—
Totals	1, 010	11, 526	33, 509, 833	7, 120, 080	169, 326, 001	280, 733, 784
Alberta:						
Under \$10,000	774	1, 071	891, 620	105, 545	1, 273, 559	2, 871, 521
\$ 10,000 to \$ 24,999	333	1, 079	1, 879, 299	169, 768	2, 327, 394	5, 521, 759
25,000 " 49,999	216	1, 214	2, 716, 286	210, 040	3, 049, 483	7, 784, 213
50,000 " 99,999	226	1, 972	4, 859, 892	396, 541	7, 233, 882	16, 160, 835
100,000 " 199,999	187	2, 525	6, 579, 419	568, 048	14, 418, 425	27, 076, 851
200,000 " 499,999	157	4, 146	11, 587, 060	876, 592	26, 528, 833	49, 302, 288
500,000 " 999,999	72	3, 690	11, 052, 393	884, 056	26, 799, 372	49, 929, 205
1,000,000 " 4,999,999	66	9, 850	31, 219, 677	2, 205, 424	85, 418, 693	154, 803, 520
5,000,000 and over	21	7, 009	25, 251, 740	5, 606, 069	179, 475, 348	261, 827, 510
Head Offices ¹	—	209	872, 503	—	—	—
Totals	2, 052	32, 765	96, 909, 889	11, 022, 083	346, 524, 989	575, 277, 702
British Columbia:						
Under \$10,000	1, 224	1, 850	1, 809, 466	191, 954	2, 516, 342	5, 506, 711
\$ 10,000 to \$ 24,999	850	2, 728	4, 704, 504	405, 772	6, 100, 803	14, 068, 887
25,000 " 49,999	676	3, 744	8, 141, 316	657, 968	10, 371, 717	23, 882, 720
50,000 " 99,999	496	4, 703	12, 242, 460	891, 582	15, 475, 478	35, 142, 015
100,000 " 199,999	432	6, 445	18, 938, 911	1, 357, 517	27, 946, 286	60, 480, 444
200,000 " 499,999	350	9, 206	28, 474, 942	1, 997, 419	57, 028, 879	111, 261, 399
500,000 " 999,999	190	10, 293	33, 702, 695	2, 425, 743	67, 066, 513	131, 661, 671
1,000,000 " 4,999,999	190	21, 784	74, 020, 528	6, 003, 752	210, 434, 596	379, 926, 077
5,000,000 and over	54	33, 415	129, 213, 761	17, 295, 537	397, 944, 755	712, 226, 318
Head Offices ¹	—	1, 699	8, 554, 331	18, 850	—	—
Totals	4, 462	95, 867	319, 802, 914	31, 246, 094	794, 885, 369	1, 474, 156, 242
Yukon and Northwest Territories:						
Under \$10,000	7	7	2, 980	480	9, 660	24, 512
\$ 10,000 to \$ 24,999	10	38	87, 514	9, 884	78, 426	209, 403
25,000 " 49,999	7	26	82, 347	8, 256	101, 376	261, 089
50,000 " 99,999	4	35	98, 099	7, 983	112, 668	311, 041
100,000 " 199,999	1	85	359, 376	164, 400	1, 190, 768	2, 730, 255
500,000 " 999,999	1					
1,000,000 " 4,999,999	1					
Totals	31	191	630, 316	191, 003	1, 492, 898	3, 536, 300

1. Under this heading are included only those head offices that are not located at the plant.

SECTION 2. THE MANUFACTURES OF THE ATLANTIC PROVINCES

The Atlantic Provinces are of economic importance in a number of fields, such as pulp and paper, fish processing, sawmills and primary iron and steel. In Newfoundland manufacturing production is dominated by the forest and fisheries resources. Pulp and paper was the most important industry in 1954 with shipments valued at \$62,125,755, followed by fish processing with \$13,148,467. These two industries accounted for 69 per cent of the total production of the Province. In Prince Edward Island agriculture and fishing resources make butter and cheese, slaughtering and meat packing, fish processing, and prepared stock and poultry feeds the leading industries. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forests and agricultural lands and is favoured with easy access by sea to the high-grade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of fish processing, primary iron and steel, shipbuilding and repairs, pulp and paper, sawmills, railway rolling stock, and butter and cheese. In addition, important petroleum refineries; cotton yarn and cloth; and coke and gas plants add to the diversification in the Province. The forests of New Brunswick give a leading place to its pulp and paper and sawmilling industries. Other important manufacturing and processing are based on fish and agricultural resources.

Nova Scotia and New Brunswick, despite the lack of large rivers, have valuable sources of hydraulic power, a considerable

portion of which has been developed. Tentative estimates give Newfoundland a potential of almost 1,000,000 h.p. at ordinary minimum flow, while in Labrador, the Hamilton River is outstanding as a potential source of power. Turbine installation at the end of 1954 totalled 323,150 h.p. in Newfoundland, 1,882 in Prince Edward Island, 170,908 in Nova Scotia and 164,130 in New Brunswick. Compared with Quebec, Ontario and British Columbia, the installed power in the Atlantic Provinces, is very small, amounting to 660,070 h.p. This compares with a total of 1,125,445 in the Prairie Provinces and 16,684,131 in the whole of Canada.

Considering the Atlantic Provinces as an economic unit, pulp and paper was the leading industry in 1954 with factory shipments valued at \$171,603,019. This was followed by fish processing with \$78,323,308, sawmills \$37,535,088, primary iron and steel \$32,270,425, shipbuilding and repairs \$31,039,179, and railway rolling stock \$23,399,221. These six industries accounted for 52 per cent of the total production of the Atlantic Region. Other leading industries, in order of value of factory shipments, and with shipments valued at \$10,000,000 or more, were: sugar refining, butter and cheese, petroleum products, slaughtering and meat packing, sash, door and planing mills, bread and other bakery products, miscellaneous foods, breweries, prepared stock and poultry feeds, and printing and publishing.

According to the table below, manufacturing establishments reporting in 1954 numbered 3,582 for the Atlantic Provinces as a whole. These plants furnished employment to 63,384 persons who received \$159,951,065 in salaries and wages. They also

shipped goods with a selling value at the factory of \$720,460,846 and spent \$382,015,377 for materials, while the value added by manufacture totalled \$313,322,336.

Principal Statistics of the Atlantic Provinces, 1954

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$'000	\$'000	\$'000	\$'000
Newfoundland	790	9,892	30,101	46,503	59,484	109,568
Prince Edward Island	209	1,774	3,000	17,002	6,045	23,470
Nova Scotia	1,526	29,611	71,740	161,295	129,778	300,073
New Brunswick	1,057	22,107	55,109	157,216	118,016	287,351
Total	3,582	63,384	159,950	382,016	313,323	720,462

In the Atlantic region the program of industrial development has been more selective than in some of the other provinces. Fish processing, new sawmills, increased pulp-making capacity and the manufacture of non-metallic building materials like cement and gypsum products have accounted for well over half of the industrial growth. There are, however, a few outstanding exceptions. Two sizeable defence plants have been established in Nova Scotia, one to repair and overhaul naval aircraft and the other to build and repair radar and related electronic equipment. Considerable development has taken place in Newfoundland. Besides plants for the manufacture of cement and gypsum wallboard and plaster, factories for producing boots and shoes, birch veneer, leather goods, industrial machinery and a leather tannery were established, thus broadening the industrial base of the province. With these exceptions, most of the developments in the Atlantic Provinces have been either small and scattered or confined to the modernization and expansion of manufacturing facilities that were already established at the close of World War II.

In spite of the rapid development in the Atlantic Provinces since 1949 manufacturing production did not quite keep pace with the development in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by a

slight drop in the Atlantic Provinces' share of the Canadian total which declined from 4.52 in 1949 to 4.10 in 1954. In number of persons employed there was a decrease of 0.2 per cent for the Atlantic Provinces as compared with an increase of 8.1 per cent for Canada as a whole. For salaries and wages paid the increase was 34.2 per cent as compared with 50.2 per cent for Canada, and in selling value of factory shipments the increase was 25.3 per cent for the Atlantic Provinces and 40.6 per cent for Canada as a whole.

Up to 1952 the increase in employment in the Atlantic Provinces was about the same as for Canada as a whole. In 1953 and 1954, however, employment in the Atlantic Provinces declined by 1.2 p.c. and 8.0 p.c. respectively, while for Canada as a whole there was an increase of 3.0 p.c. in 1953 and a decline of 4.5 p.c. in 1954. The increased employment since 1949 reported by Newfoundland, Prince Edward Island and Nova Scotia was offset by a drop of 5.7 p.c. in New Brunswick, resulting in a net decline of 0.2 p.c. for the Atlantic Provinces as compared with an increase of 8.1 p.c. for Canada as a whole. Selling values of factory shipments were 25.3 p.c. higher in the Atlantic Provinces while for Canada as a whole they were 40.6 p.c. higher.

Variation in Employment and Factory Shipments, 1954 Compared with 1949

Province	Employees	Salaries and wages	Selling value of factory shipments
	p.c.	p.c.	p.c.
Newfoundland ¹	+ 13.2	+ 71.1	+ 43.3
Prince Edward Island	+ 1.5	+ 40.6	+ 29.5
Nova Scotia	+ 1.0	+ 31.2	+ 21.2
New Brunswick	- 5.7	+ 24.6	+ 24.1
Atlantic Provinces	- 0.2	+ 34.2	+ 25.3
Canada	+ 8.1	+ 50.2	+ 40.6

1. Exclusive of fish processing.

TABLE 5. Principal Statistics of the Leading Industries of Newfoundland, 1954

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Pulp and paper ¹	2	3,480	17,447,726	25,307,033	34,347,529	62,125,755
2	Fish processing	29	2,043	3,598,256	5,993,266	6,695,145	13,148,467
3	Breweries	3	155	534,009	738,442	3,307,686	4,101,948
4	Sash, door and planing mills	26	263	592,887	2,122,891	1,120,728	3,174,878
5	Bread and other bakery products	12	254	630,748	1,583,835	1,147,968	2,813,025
6	Carbonated beverages	11	130	271,604	736,655	1,454,032	2,246,251
7	Sawmills	550	904	514,784	955,211	1,064,299	2,081,838
8	Printing and publishing	6	228	693,444	275,924	1,251,991	1,559,161
9	Biscuits	3	208	473,453	546,484	629,533	1,226,018
10	Other leading industries ²	8 ¹	658	2,059,110	4,031,180	4,138,603	8,572,016
	Totals, leading industries	650	8,323	26,816,021	42,290,921	55,157,514	101,049,357
	Totals, all industries	790	9,892	30,101,186	46,503,032	59,483,922	109,567,770
	Percentage of leading industries to all industries	82.2	84.1	89.0	90.9	92.7	92.2

1. Publication of these figures was authorized by the firms concerned.

2. Includes: Cement, hydraulic; Dairy products n.e.s.; Miscellaneous food preparations; Machinery, industrial; Paints, varnishes and lacquers.

TABLE 6. Principal Statistics of the Leading Industries of Prince Edward Island, 1954

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Butter and cheese	17	206	419,705	4,143,406	876,786	5,104,769
2	Fish processing	41	480	510,236	2,704,345	981,979	3,734,695
3	Feeds, stock and poultry, prepared	11	62	110,564	1,079,981	240,031	1,338,052
4	Printing and publishing	3	136	332,086	136,830	526,832	676,004
5	Fruit and vegetable preparations	11	100	99,730	438,428	216,512	616,371
6	Sawmills	68	124	103,842	261,091	265,006	536,769
7	Other leading industries ¹	4	259	734,472	7,187,425	1,839,104	9,230,957
	Totals, leading industries	155	1,367	2,310,635	15,961,506	4,946,250	21,237,617
	Totals, all industries	209	1,774	3,000,211	17,001,551	6,044,749	23,469,743
	Percentage of leading industries to all industries	74.2	77.1	77.0	93.8	81.8	90.5

1. Includes: Bags, cotton and jute; Fertilizers; and Slaughtering and meat packing.

TABLE 7. Principal Statistics of the Leading Industries of Nova Scotia, 1954

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Fish processing	184	4,122	7,207,395	27,472,860	13,258,241	41,413,767
2	Primary iron and steel	3	3,925	12,728,959	15,675,929	14,486,619	32,270,425
3	Shipbuilding	19	3,040	9,410,906	9,188,461	12,317,009	21,799,689
4	Pulp and paper	4	1,192	4,114,434	7,490,371	11,872,558	20,715,689
5	Sawmills	687	2,824	3,614,861	9,554,862	7,578,581	17,406,816
6	Railway rolling stock	3	834	2,556,504	8,651,712	4,772,856	13,678,792
7	Butter and cheese	25	726	1,628,518	7,823,221	3,393,927	11,552,888
8	Bread and other bakery products	77	855	1,743,951	3,892,244	3,553,892	7,728,495
9	Miscellaneous iron and steel products	3	896	2,642,108	3,990,398	3,198,572	7,491,319
10	Sash, door and planing mills	67	795	1,521,163	4,340,780	2,310,166	6,782,832
11	Printing and publishing	27	746	2,181,862	1,273,526	4,450,862	5,807,706
12	Confectionery	6	828	1,554,496	3,245,234	1,715,128	4,886,680
13	Knitted goods	3	636	1,146,086	2,439,011	1,907,384	4,521,301
14	Feeds, stock and poultry, prepared	12	94	193,207	3,512,074	594,083	4,131,994
15	Fruit and vegetable preparations	15	480	724,890	2,474,799	2,200,806	4,032,909
16	Carbonated beverages	30	298	660,517	1,192,141	2,446,298	3,737,193
17	Miscellaneous food preparations	10	154	315,145	1,758,436	1,116,323	2,885,425
18	Slaughtering and meat packing	4	65	129,034	2,207,746	351,583	2,551,901
19	Miscellaneous wood products, n.e.s.	6	107	223,237	903,214	1,069,097	2,062,085
20	All other leading industries ¹	10	2,952	9,177,969	29,583,871	21,708,863	53,632,152
	Totals, leading industries	1,175	25,567	63,475,262	146,670,890	114,303,548	269,089,828
	Totals, all industries	1,526	29,611	71,740,240	161,294,873	129,777,850	300,072,733
	Percentage of leading industries to all industries	76.9	86.3	88.4	90.9	88.0	89.6

1. Includes: Breweries, Cotton yarn and cloth, Bridge building and structural steel, Wire and wire goods, Aircraft and parts, Salt, Coke and gas products, and Petroleum products.

TABLE 8. Principal Statistics of the Leading Industries of New Brunswick, 1954

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Pulp and paper	7	4,046	15,728,964	41,663,437	39,695,676	88,761,805
2	Fish processing	166	2,742	3,489,639	14,170,316	5,464,251	20,025,379
3	Sawmills	388	2,496	4,068,742	9,600,111	7,719,903	17,509,665
4	Miscellaneous food preparations	13	388	689,723	8,600,012	3,438,010	12,098,033
5	Slaughtering and meat packing	3	370	1,170,751	8,517,459	1,738,638	10,494,574
6	Butter and cheese	29	441	933,790	6,971,648	2,390,003	9,626,523
7	Shipbuilding	3	1,170	3,173,915	1,929,551	6,989,645	9,026,744
8	Sash, door and planing mills	70	978	2,081,577	5,142,551	3,124,416	8,477,146
9	Bread and other bakery products	62	827	1,667,560	3,611,390	3,391,338	7,306,146
10	Feeds, stock and poultry, prepared	13	176	423,431	5,845,242	788,437	6,680,310
11	Heating and cooking apparatus	3	580	1,695,785	2,092,227	2,872,723	5,071,171
12	Printing and publishing	21	614	1,685,525	758,364	3,007,979	3,829,818
13	Fertilizers	3	128	375,222	2,746,755	876,869	3,735,485
14	Miscellaneous wood products, n.e.s.	5	121	254,816	1,084,750	1,169,644	2,355,587
15	Confectionery	4	335	600,612	1,162,662	1,048,614	2,270,525
16	Carbonated beverages	23	206	465,906	695,737	1,367,635	2,149,588
17	All other leading industries ¹	9	3,330	10,326,840	30,774,295	21,164,812	53,426,474
Totals, leading industries		822	18,948	48,392,298	145,366,507	106,248,593	262,845,973
Totals, all industries		1,057	22,107	55,109,428	157,215,921	118,015,815	287,350,600
Percentage of leading industries to all industries		77.7	85.7	87.8	92.4	90.0	91.4

1. Includes: Biscuits, Breweries, Brass and copper products, Brooms, brushes and mops, Cement, hydraulic, Railway rolling stock, and Sugar refining.

SECTION 3. THE MANUFACTURES OF QUEBEC

Quebec with about 30 per cent of Canada's total selling value of factory shipments ranks as the second largest industrial province in Canada. Manufacturing establishments reporting in 1954 numbered 12,191. These plants furnished employment to 424,095 persons who received \$1,214,661,400 in salaries and wages. They also shipped goods with a selling value at the factory of \$5,395,786,644 and spent \$2,806,248,363 for materials, leaving the calculated value added by manufacture at \$2,448,027,538.

The manufacturing industries of Quebec, in common with many of the other provinces, went through a period of adjustment during 1954. Compared with the previous year there was a drop of 4.0 p.c. in the number of persons employed and 0.9 p.c. in salaries and wages paid, while the value of factory shipments with an increase of only 0.2 p.c. was slightly higher. The adjustment was not as severe as for Canada as a whole which saw a drop of 4.5 p.c. in employment, 1.5 p.c. in salary and wage payments and 1.3 p.c. in the value of factory shipments. The trend in Quebec was mixed, with most industrial groups reporting increased shipments. These increases were, however, offset by declines in a number of groups. The most severely affected was the transportation equipment group with a drop of 23.7 p.c. in value of shipments, followed by leather products with 6.6 p.c., textiles 6.5 p.c., clothing 5.6 p.c., wood products 5.4 p.c. and rubber goods 5.3 p.c. The iron and steel and miscellaneous industries were practically unchanged while in the remaining groups increases ranged from 1.6 p.c. for knitting mills to 19.1 p.c. for products of petroleum and coal.

Quebec has developed its \$5.4 billion manufacturing output with such leading industries as pulp and paper, non-ferrous metal-smelting and refining, petroleum products, slaughtering and meat packing, cotton yarn and cloth, men's and women's clothing, tobacco, cigars and cigarettes, synthetic textiles and silk, railway-rolling stock, leather footwear and miscellaneous electrical apparatus. In common with the rest of Canada, Quebec experienced a great industrial expansion following the second World War. Nor was this expansion confined to the existing industrial areas, but spread to many towns and villages in the accessible areas of the province.

Quebec's leading industry is pulp and paper with an output of approximately \$532 million in 1954. Quebec is a principal world centre for the production of newsprint with 55 major pulp

and paper plants concentrated in the Trois-Rivieres and Shawinigan Falls districts as well as along the Saguenay, Ottawa, and St. Lawrence rivers. The production of non-ferrous metals has expanded considerably during the past decade. The output of aluminum has made impressive strides during the past years and reached a record total of 557,897 tons in 1954. After the end of the war, with the disappearance of the demands for defense, surplus productive capacity appeared. New civilian uses were found to take up the slack, so that by 1948 the industry was producing 75 p.c. of its peak wartime output. To this has been added the defense demands created by the Korean war and in 1952 the peak level of production attained in 1943 has again been reached. Quebec, with its new furniture factories, its new titanium smelter and its expanded aluminium-making facilities, is challenging Ontario's long established lead in a number of the wood and non-ferrous metal products industries.

There are several important factors which contributed to the great industrial development of the Province. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where sea-going vessels of heavy tonnage can dock. There is also an extensive highway system linking the small rural areas to the big industrial centres. Other significant factors include abundant forest resources, water power, minerals, agricultural lands and, of even more importance, an industrious and stable population.

Quebec ranks highest in available water-power resources, having more than 40 p.c. of the total recorded for all Canada. Its power development has been remarkable and its installation of 7,773,822 h.p. at the end of 1954 represents about 47 p.c. of the total for Canada. The St. Lawrence River Beauharnois development of 1,408,000 h.p. and the Saguenay River Shipshaw development of 1,200,000 h.p. are the two largest in the country.

Two of the most important industrial developments in Quebec today are the Ungava iron ore project and the new titanium industry. With the exploitation of the Ungava iron deposits on which it is believed, the future of the great steel industries of this Continent rests, Quebec's industrial base is being expanded to the point where the future industrial development of this Province is well assured.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position. Fifty years ago this industry had hardly come into existence in the Province and in the mid-1920's the annual gross value of production had not yet reached \$100,000,000. By the end of 1954 it accounted for about 10 p.c. of the gross value of Quebec's manufactures and for about 43 p.c. of the Canadian total for this industry. Other large Canadian industries in which Quebec predominates are tobacco, cigars and cigarettes 94.6 p.c. of the Canadian total; women's factory clothing 69.4 p.c.; cotton yarn and cloth 66.7 p.c.; leather footwear 59.0 p.c.; men's factory clothing 56.6 p.c.; synthetic textiles and silk 52.9 p.c.; miscellaneous electrical apparatus 44.6 p.c.; railway rolling stock 43.9 p.c.; and pulp and paper 42.9 p.c.

Quebec also predominates in a large number of the smaller industries. The candle industry contributed 97.1 p.c. of the Canadian total; men's clothing contractors 93.4 p.c.; cotton thread 84.1 p.c.; women's clothing contractors 83.4 p.c.; dyeing and finishing of textiles 80.9 p.c.; children's clothing 78.0 p.c.; embroidery, pleating and hemstitching 77.3 p.c.; lasts, trees and shoe findings 74.8 p.c.; oilcloth, linoleum and coated fabrics 74.1 p.c.; artificial flowers and feathers 72.0 p.c.; narrow fabrics 71.2 p.c.; oiled and waterproofed clothing 70.0 p.c.; fur dressing and dyeing 69.2 p.c.; boot and shoe findings, leather 68.7 p.c.; miscellaneous clothing 67.3 p.c.; corsets 64.1 p.c.; process cheese 63.8 p.c.; miscellaneous textiles 59.2 p.c.; fur goods 56.4 p.c.; asbestos products 53.8 p.c.; medicinal and pharmaceutical preparations 47.8 p.c.; woollen cloth 45.4 p.c.; buttons 43.9 p.c.; musical instruments 39.1 p.c., etc.

TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1954

Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1 Pulp and paper	55	25,643	103,681,586	220,723,276	270,537,872	532,327,040
2 Non-ferrous metal smelting and refining	10	10,897	41,134,341	211,040,617	143,063,992	385,807,714
3 Petroleum products	8	2,556	11,074,040	195,367,737	105,711,083	311,092,959
4 Slaughtering and meat packing	40	4,356	14,857,327	140,261,179	29,889,971	172,583,972
5 Clothing, women's factory	485	18,072	39,194,960	82,063,658	69,704,836	151,632,203
6 Tobacco, cigars and cigarettes	27	6,896	22,449,461	75,226,102	68,041,409	143,789,233
7 Clothing, men's, factory	336	17,067	35,660,851	77,648,235	57,526,461	135,991,124
8 Cotton yarn and cloth	21	12,589	31,271,436	83,193,670	43,019,813	129,909,054
9 Railway rolling stock	8	13,540	44,198,754	78,753,045	43,470,733	124,399,379
10 Butter and cheese	663	5,261	12,339,006	95,748,267	21,818,904	119,985,217
11 Miscellaneous electrical apparatus and supplies	38	12,574	44,597,154	50,685,025	71,172,179	119,443,029
12 Aircraft and parts	24	11,753	45,995,953	41,944,613	61,274,483	104,152,179
13 Miscellaneous food preparations	91	2,935	8,232,051	68,425,491	31,857,122	101,097,990
14 Miscellaneous chemical products, n.e.s.	78	8,211	24,337,375	54,140,690	40,180,878	96,548,976
15 Sawmills	1,721	9,497	15,755,387	53,669,741	31,552,679	86,038,897
16 Bread and other bakery products	943	10,053	22,629,237	37,552,971	38,919,807	79,165,388
17 Furniture	562	10,331	24,944,688	35,928,037	40,207,613	76,303,097
18 Machinery, industrial	58	7,615	26,042,590	24,778,658	50,956,841	76,301,250
19 Footwear, leather	165	12,435	24,468,847	35,027,374	37,339,161	72,697,590
20 Ship building	10	8,898	29,270,857	27,236,976	42,885,112	70,833,679
21 Synthetic textiles and silk	33	9,644	26,576,206	30,600,568	36,545,598	70,063,423
22 Feeds, stock and poultry, prepared	223	1,737	4,055,697	51,959,179	10,630,266	62,969,533
23 Printing and publishing	83	7,009	23,602,062	18,769,850	42,816,261	61,958,508
24 Boxes and bags, paper	57	4,634	12,145,949	36,438,735	24,442,127	60,834,254
25 Brass and copper products	39	2,917	10,128,611	39,910,640	20,000,065	60,710,067
26 Sheet metal products	80	4,940	16,102,092	29,019,924	27,410,202	56,431,921
27 Acids, alkalies and salts	15	3,443	13,899,516	21,851,763	28,603,945	56,077,766
28 Breweries	6	2,674	10,359,555	15,512,447	37,096,490	53,465,320
29 Radio and television sets and parts	22	4,750	17,697,244	22,474,090	32,922,147	53,266,396
30 Rubber goods, including footwear	29	6,241	17,747,509	19,435,110	28,735,856	49,777,548
31 Bridge building and structural steel	592	6,970	20,048,751	16,733,865	31,560,273	48,661,229
32 Printing and bookbinding	804	5,620	11,637,276	26,509,654	19,406,036	46,753,282
33 Sash, door and planing mills	96	3,579	11,179,099	15,220,534	31,147,896	46,522,965
34 Medicinal and pharmaceutical preparations	8	2,271	7,256,120	16,718,005	31,327,161	46,496,269
35 Distilled liquors	15	3,509	12,964,736	13,960,444	25,564,423	41,547,393
36 Primary iron and steel	104	3,635	12,194,368	12,292,864	28,207,124	41,269,211
37 Miscellaneous iron and steel products	190	2,886	7,329,740	12,341,366	27,581,583	40,875,102
38 Carbonated beverages	68	2,523	6,864,923	24,313,179	15,940,273	40,314,459
39 Miscellaneous paper goods	76	4,785	9,429,672	19,807,599	17,774,282	38,565,408
40 Knitted goods, n.e.s.						
Totals, leading industries listed above ¹	7,895	298,257	886,216,177	2,155,277,270	1,843,571,832	4,116,051,553
Totals, all industries	12,191	424,095	1,214,661,400	2,806,248,363	2,448,027,538	5,395,786,644
Percentage of leading industries to all industries	64.76	70.33	72.96	76.80	75.31	76.28

1. Sugar refining is also a leading industry. Statistics, however are confidential.

SECTION 4. THE MANUFACTURES OF ONTARIO

For the manufacturing industries of Ontario 1954 was a year of recession. The selling value of factory shipments at \$8,533,167,214 were 3.9 p.c. lower. The drop in shipments was also accompanied by a contraction in employment of 5.6 p.c. and a drop in salary and wage payments of 3.1 p.c. The decline in manufacturing activity was greater in Ontario than in any other major industrial province. This is indicated by a decrease of only 4.5 p.c. in employment, 1.5 p.c. in salaries and wages paid, 1.3 p.c. in the selling value of factory shipments for Canada as a whole. As the decline in manufacturing production for Canada was the result of a drop of 8.1 p.c. in the physical output of durable goods such as transportation equipment, iron and steel products, and electrical apparatus and supplies of which Ontario is the major producer, the effects were, therefore,

more severely felt by Ontario manufacturers. In contrast to the heavy decline in the production of durable goods, non-durable goods only dropped 1.1 p.c. The other major industrial provinces, producing mainly non-durable goods, were therefore not as severely affected as Ontario.

Establishments reporting in 1954 numbered 13,178. They furnished employment to 598,914 persons who were paid \$1,954,767,388 in salaries and wages, and spent \$4,412,536,948 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$3,930,730,030.

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the decisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable advantage of bordering on the St. Lawrence-Great Lakes waterway system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity. Many new industrial areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1954 produced about 49 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments at Steep Rock Iron Mines. At Sarnia, huge investments have gone into the construction of new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, and chemical production has been rising by leaps and bounds in the vicinity of Sarnia and along the lower reaches of the St. Lawrence River between Cornwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of motor vehicles, motor vehicle parts, heavy electrical machinery, agricultural implements, machine tools, starch and glucose, bicycles and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1954, a substantial number of them were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1954 Canada totals are as follows: motor vehicles 98.4, motor vehicle parts 95.9, heavy electrical machinery 92.8, agricultural implements 92.4, rubber goods 81.0, primary iron and steel 77.2, radio and television sets and parts 75.3, iron castings 67.5, fruit and vegetable preparations 65.7, aircraft and parts 65.6, miscellaneous paper products 63.8, sheet metal products 59.4, printing and bookbinding 58.4, industrial machinery 57.8, brass and copper products 56.4, acids, alkalis and salts 54.5, miscellaneous electrical apparatus 53.0, boxes and bags, paper 52.5 and furniture 50.0. In addition Ontario dominated many of the smaller industries in 1954 as follows: machine tools 100.0, bicycles and parts 96.9, tobacco processing and packing 95.0, miscellaneous non-ferrous metal products 90.0, soaps and washing compounds 89.7, breakfast foods 88.8, automobile accessories, fabric 88.6, typewriter supplies 87.2, leather tanneries 87.1, wine 87.1, carpets, mats and rugs 85.9, artificial abrasives 84.3, refrigerators, vacuum cleaners and appliances 81.6, batteries 81.5, sporting goods 80.2, cordage, rope and twine 79.8, household and office machinery 75.8, wool yarn 74.5, white metal alloys 74.4, toys and games 74.3, scientific and professional equipment 72.8, boilers, tanks and plate work 72.0, heating and cooking apparatus 71.9, hardware, tools and cutlery 71.8, jewellery and silverware 71.5, animal oils and fats 69.5, feed mills 67.7, aluminum products 58.0, confectionery 55.2, knitted goods 50.5, and hosiery 46.8.

TABLE 10. Principal Statistics of the Forty Leading Industries of Ontario, 1954

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Motor vehicles	12	26,910	102,393,867	471,422,829	172,132,583	655,662,973
2	Non-ferrous metal smelting and refining	8	10,262	40,457,907	211,606,673	173,360,919	403,151,628
3	Pulp and paper	41	19,043	77,982,802	156,176,779	185,595,027	364,993,888
4	Slaughtering and meat packing	57	8,723	30,135,936	259,342,840	62,562,318	323,544,469
5	Primary iron and steel	19	20,166	78,534,762	111,559,518	168,894,479	295,911,606
6	Petroleum products	13	5,209	22,113,345	167,497,358	97,876,363	275,989,765
7	Motor vehicle parts	104	17,282	62,190,625	118,468,727	106,942,848	229,314,438
8	Aircraft and parts	20	20,805	82,833,165	113,048,265	110,206,960	224,911,088
9	Rubber products	38	14,529	49,434,804	86,953,292	120,109,371	214,046,655
10	Machinery, heavy, electrical	43	20,493	77,643,611	63,759,538	119,673,831	187,528,435
11	Radio and television sets and parts	84	12,770	37,556,336	101,100,281	69,101,256	172,140,809
12	Butter and cheese	472	7,585	21,841,373	103,521,161	38,478,050	144,657,029
13	Miscellaneous electrical apparatus and supplies ..	97	10,649	36,507,635	68,797,484	71,627,490	141,690,849
14	Fruit and vegetable preparations	192	9,921	23,208,248	85,179,874	56,123,954	141,283,692
15	Sheet metal products	181	10,554	36,896,764	67,960,816	68,939,882	138,116,977
16	Machinery, industrial	185	12,649	45,624,544	51,968,994	81,783,305	135,102,513
17	Printing and publishing	307	13,438	48,489,213	34,721,758	88,044,423	123,834,816
18	Bread and other bakery products	846	14,668	37,661,910	54,255,188	60,393,661	118,877,202
19	Miscellaneous food preparations	128	4,700	13,704,658	7,726,237	32,392,923	12,575,312
20	Furniture	703	14,602	40,124,285	52,715,120	62,542,943	116,194,881
21	Agricultural implements	29	10,849	37,431,944	62,812,345	44,196,483	109,922,007
22	Printing and bookbinding	752	12,797	39,541,871	40,650,529	68,091,815	109,204,498
23	Refrigerators, vacuum cleaners and appliances	64	7,336	24,060,382	46,975,994	59,399,720	106,468,592
24	Boxes, paper	106	7,280	22,793,391	60,429,762	41,398,754	102,069,793
25	Flour mills	50	2,120	6,721,094	84,424,307	14,834,418	99,965,927
26	Miscellaneous paper products	117	6,606	20,693,427	55,792,910	43,210,444	99,107,040
27	Castings, iron	93	8,766	31,163,890	42,074,685	50,959,910	94,389,827
28	Miscellaneous chemical products	131	4,716	17,285,302	41,870,277	45,731,760	94,101,583
29	Railway rolling stock	16	6,448	23,158,008	47,588,338	41,076,400	99,748,449
30	Brass and copper products	88	4,836	17,385,187	56,846,475	31,334,452	89,041,309
31	Hardware, tools and cutlery	271	9,702	32,468,971	28,622,870	55,772,851	85,046,885
32	Breweries	21	3,214	13,486,853	19,563,019	63,958,814	84,743,410
33	Soaps, washing compounds and cleaning preparations ...	68	3,067	11,711,360	36,963,630	35,692,688	82,950,239
34	Feeds, stock and poultry, prepared	286	2,735	6,978,233	63,083,905	15,517,446	79,739,757
35	Acids, alkalis and salts	42	4,507	17,505,366	25,091,181	44,492,971	77,333,737
36	Heating and cooking apparatus	65	5,991	19,823,258	35,032,223	37,323,218	73,375,700
37	Machinery, household, office & store	43	5,532	19,494,364	33,074,530	40,495,033	72,711,297
38	Clothing, men's factory	154	10,539	23,810,862	36,457,976	35,684,867	72,532,335
39	Tobacco processing and packing	9	1,594	3,046,606	63,367,349	6,046,729	69,620,623
40	Sawmills	1,112	7,550	16,248,640	37,518,409	30,928,367	69,286,415
Totals, leading industries		7,047	401,143	1,370,132,799	3,375,023,456	2,768,930,557	6,284,717,566
Totals, all industries		13,178	598,914	1,954,767,388	4,412,536,948	3,930,730,030	8,533,167,214
Percentage of leading industries to all industries		53.47	66.97	70.09	76.48	70.44	73.65

SECTION 5. THE MANUFACTURES OF THE PRAIRIE PROVINCES

The leading industries of the Prairie Provinces are those based on agricultural resources—grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor vehicles and power machinery on farms has given rise to petroleum refineries in each province. The greatly increased production of crude petroleum in Alberta seems likely to lead to further development of the refining industry. This industry has made tremendous strides in the Prairie Provinces since 1949. At that time it ranked third in importance, being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 14.9 p.c. In 1954. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water powers, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues to be played by agriculture, both oil and mineral wealth are being developed.

Considering the Prairie Provinces as an economic unit, slaughtering and meat packing had the largest value of factory shipments in 1954, amounting to \$266,628,463, followed by petroleum products with \$212,860,105, flour mills \$96,312,106, butter and cheese \$91,480,614 and railway rolling stock \$45,203,077. These five industries accounted for about 50 p.c. of the total value of factory shipments of the Prairie Provinces. Other leading industries, in order of value of factory shipments and with shipments of \$10,000,000 or more, were: non-ferrous metal smelting and refining; bread and other bakery products; printing and publishing, breweries; sawmills; sash, door and planing mills; miscellaneous food preparations; bridge building and structural steel; men's factory clothing; furniture; sheet metal products; prepared stock and poultry feeds; printing and bookbinding; sugar refining; concrete products; pulp and paper; carbonated beverages; women's factory clothing; hydraulic cement; and paper boxes and bags.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1954 power installation in the three Provinces totalled only 1,125,445 h.p. or about 7 p.c. of the Canadian total. Manitoba had 756,900 h.p., Saskatchewan 109,835 h.p. and Alberta 258,710 h.p. With the present developments of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development. Manitoba has more water-power resources and has developed them to a greater extent than either of the other Prairie Provinces. Practically all the developed sites are located on the Winnipeg River. These supply not only Winnipeg and its suburban areas but, through the transmission network of the Manitoba Power Commission, power is distributed to more than

400 municipalities and a large part of rural areas of southern Manitoba where farm electrification is a primary objective. In Saskatchewan, water-power development is confined to the northern mining districts. The southern portions of Saskatchewan and Alberta are lacking in water-power resources but have large fuel reserves. In Alberta, present developments are located in the Bow River basin and serve Calgary and numerous other municipalities between the International Boundary and the area north of Edmonton.

In the Prairie Provinces, the nature of developments vary from one province to another. Alberta has moved to the forefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment, including products like drill bits and tanks, heat exchangers and other bulky equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth, they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture of other new inorganic products like caustic soda and chlorine. Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines. The largest gains, for instance, have been recorded in food processing. Notable in this respect has been the establishment of three new freshwater fish-packing plants. The manufacture of building materials, including non-metallic mineral products and lumber, has also increased. However, the largest single gain in employment has been in the refining of prairie oil for local use.

Although Manitoba experienced a great development in manufacturing production since 1939, it did not, percentage-wise, keep pace with the other two Prairie Provinces. Since 1946, however, the development was on a wide front. The increase in the number of persons employed totalled 2,893. The largest increase of 1,213 was reported by the iron and steel group. The clothing industries with 940 reported the second largest increase, while the printing, publishing and allied industries reported an increase of 782. This was followed by electrical apparatus and supplies with 353, products of petroleum and coal 266, miscellaneous industries 251, etc. Only two groups reported declines in employment; foods and beverages 1,646 and knitting mills 142. The food and beverages group which in 1946 accounted for 30 p.c. of the employment in manufacturing, accounted only for 24 p.c. of the total in 1954. The food and beverages group with 9,886 employees was still in first position in 1954 as an employer of labour, followed by transportation equipment with 6,530, clothing 5,509, and iron and steel products 4,894. These four groups accounted for 65 p.c. of manufacturing employment in Manitoba.

According to the table below manufacturing establishments reporting in 1954 numbered 4,584 for the Prairie Provinces as a whole. These plants furnished employment to 85,515 persons who received \$246,874,608 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,427,420,258 and spent \$844,678,599 for materials, while the value added by manufacture totalled \$556,375,650.

Principal Statistics of the Prairie Provinces, 1954

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$'000	\$'000	\$'000	\$'000
Manitoba	1,522	41,224	116,455	328,828	232,488	571,409
Saskatchewan	1,010	11,526	33,510	169,326	104,560	280,734
Alberta	2,052	32,765	96,910	346,525	219,328	575,278
Total	4,584	85,515	246,873	844,679	556,376	1,427,421

In spite of the rapid development in the Prairie Provinces since 1939, manufacturing production did not keep pace with the developments in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by the slight drop in the Prairie Provinces' share of the Canadian total which declined from 8.13 p.c. in 1939 to 7.91 p.c. in 1953.

In 1954 conditions were reversed. The Prairie Provinces reported an increase of 1.4 p.c. in the value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. As a result of this the Prairie Provinces' share of the Canadian total was again 8.13 p.c., the same as in 1939.

According to the table below, Manitoba and Saskatchewan did not keep pace with manufacturing developments in Canada as a whole. Alberta on the other hand fared much better. Com-

pared with 1939 employment increased by 158 p.c. and the value of factory shipments by 558 p.c. This compares with increases for Canada as a whole of 93 p.c. and 405 p.c. respectively.

Variation in Employment and Factory Shipments, 1954 Compared with 1939

Province	Employees		Salaries and wages		Selling value of factory shipments	
	p.c.		p.c.		p.c.	
Manitoba	+ 72		+ 309		+ 325	
Saskatchewan	+ 78		+ 356		+ 363	
Alberta	+ 158		+ 547		+ 558	
Prairie Provinces	+ 98		+ 386		+ 405	
Canada	+ 93		+ 428		+ 405	

TABLE 11. Principal Statistics of the Leading Industries of Manitoba, 1954

No.	Industries	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Slaughtering and meat packing	13	3,121	10,571,603	89,095,910	24,384,678	114,008,868
2	Petroleum products	5	475	1,760,850	23,253,759	10,244,693	34,658,726
3	Railway rolling stock	4	4,959	15,914,826	14,309,171	16,581,838	31,370,155
4	Butter and cheese	69	1,313	3,522,011	20,506,915	6,942,933	28,083,005
5	Flour mills	7	581	1,539,306	20,041,857	2,187,328	22,473,355
6	Clothing, men's factory	49	2,476	4,793,659	11,294,094	7,594,115	19,364,847
7	Miscellaneous food preparations	24	654	1,957,933	13,073,854	5,217,884	18,375,718
8	Furniture	128	1,734	4,478,940	8,244,137	6,869,792	15,225,987
9	Printing and publishing	78	1,879	5,534,925	4,485,904	9,968,877	14,609,986
10	Pulp and paper ¹	3	503	2,026,058	4,364,834	9,197,049	14,604,033
11	Bread and other bakery products	138	1,721	4,421,826	6,644,921	7,429,446	14,598,324
12	Clothing, women's factory	28	1,611	3,755,057	7,306,485	5,347,327	12,628,905
13	Printing and bookbinding	77	1,371	3,970,238	3,962,125	6,465,317	10,503,998
14	Breweries	6	567	2,093,182	1,887,554	8,098,707	10,061,840
15	Sheet metal products	23	875	2,748,482	4,822,069	4,147,720	9,145,410
16	Boxes and bags, paper	8	559	1,771,553	5,708,951	3,139,707	8,916,976
17	Feeds, stock and poultry, prepared	35	236	585,482	6,754,371	1,430,202	8,311,908
18	Primary iron and steel	3	772	2,779,322	2,285,937	5,057,712	8,042,155
19	Bags, cotton and jute	5	230	578,590	5,353,522	972,622	6,355,009
20	Carbonated beverages	21	362	1,015,702	1,776,078	4,088,604	6,019,691
21	Miscellaneous iron and steel	9	595	2,035,018	2,326,496	3,188,790	5,598,503
22	Other leading industries ²	4	2,186	6,414,170	12,794,929	20,768,858	34,160,069
	Totals, leading industries	737	28,780	84,268,733	270,293,873	169,324,199	447,115,378
	Totals, all industries	1,522	41,224	116,454,886	328,827,609	232,487,743	571,408,772
	Percentage of leading industries to all industries	48.42	69.81	72.36	82.20	72.83	78.25

1. Publication of these figures was authorized by the firms concerned.

2. Includes: Aircraft and parts, Bridge building and structural steel, and Non-ferrous metal smelting and refining.

TABLE 12. Principal Statistics of the Leading Industries of Saskatchewan, 1954

No.	Industries	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Petroleum products	10	1,109	4,428,876	51,363,017	22,474,973	76,494,298
2	Flour mills	10	784	2,495,037	34,572,284	8,326,898	43,436,789
3	Slaughtering and meat packing	8	1,075	3,654,955	23,416,854	6,957,263	30,664,206
4	Butter and cheese	59	1,283	3,358,614	20,367,106	6,997,393	27,862,528
5	Bread and other bakery products	95	1,064	2,755,828	4,596,287	4,841,430	9,702,974
6	Breweries	5	377	1,362,222	1,949,493	7,296,582	9,448,439
7	Printing and publishing	98	1,186	3,343,858	1,991,357	5,826,772	7,940,339
8	Sawmills	377	898	1,175,992	1,727,672	3,033,289	4,865,045
9	Sash, door and planing mills	33	457	1,196,543	2,530,557	1,950,319	4,532,122
10	Carbonated beverages	23	259	705,354	1,423,257	2,107,909	3,698,208
11	Sheet metal products	5	228	660,220	1,743,569	1,740,243	3,485,640
12	Feeds, stock and poultry, prepared	11	72	190,622	1,561,160	402,818	2,015,096
	Totals, leading industries listed above ¹	734	8,792	25,328,121	147,242,613	71,955,889	224,145,744
	Totals, all industries	1,010	11,526	33,509,833	169,326,001	104,560,398	280,733,784

1. Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

TABLE 13. Principal Statistics of the Leading Industries of Alberta, 1954

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Slaughtering and meat packing	15	3,643	12,323,431	100,610,460	21,186,370	121,955,389
2	Petroleum products	18	1,570	6,353,264	60,452,657	38,409,189	101,707,081
3	Butter and cheese	101	1,847	4,848,274	26,515,341	8,711,018	35,535,081
4	Flour mills	12	747	2,045,707	26,436,709	3,621,388	30,401,962
5	Sawmills	750	2,820	4,602,799	9,428,552	12,832,678	22,793,615
6	Sash, door and planing mills	121	1,814	4,608,947	13,362,020	7,167,893	20,756,334
7	Bread and other bakery products	136	1,773	4,812,311	7,803,903	8,403,041	16,564,675
8	Railway rolling stock	3	1,974	6,289,764	7,329,683	6,289,764	13,832,922
9	Breweries	6	568	1,985,289	3,074,060	10,371,700	13,555,054
10	Printing and publishing	83	1,243	3,702,393	3,208,954	8,583,563	11,881,776
11	Concrete products	37	685	2,160,088	5,155,519	4,633,059	9,938,081
12	Bridge building and structural steel	3	602	2,220,857	4,256,531	4,518,078	8,807,798
13	Miscellaneous food preparations	14	285	799,001	5,643,168	2,273,592	8,272,289
14	Feeds, stock and poultry, prepared	46	264	693,695	6,173,292	1,303,350	7,636,076
15	Sheet metal products	13	384	1,176,820	3,286,310	2,846,668	6,259,399
16	Clothing, men's factory	9	717	1,468,861	3,026,538	3,189,739	6,165,834
17	Machine shops	67	736	2,489,152	1,748,524	3,815,068	5,670,730
18	Printing and bookbinding	76	817	2,500,613	1,607,312	3,746,325	5,402,683
19	Furniture	82	662	1,700,355	2,362,325	2,860,205	5,262,430
	All other leading industries ¹	6	1,140	4,308,844	12,794,487	14,403,190	29,869,311
	Totals, leading industries	1,598	24,291	71,090,465	304,276,345	169,165,908	482,268,520
	Totals, all industries	2,052	32,765	96,909,889	346,524,989	219,327,509	575,277,702
	Percentage of leading industries to all industries	77.88	74.14	73.36	87.81	77.13	83.83

1. Includes: Acids, alkalies and salts, Cement, hydraulic, Fertilizers, Primary plastics and Sugar refining.

SECTION 6. THE MANUFACTURES OF BRITISH COLUMBIA

British Columbia, with factory shipments totalling \$1,474,156,242, ranked third among the provinces in manufacturing production. In spite of the rapid industrialization of other provinces, British Columbia succeeded in increasing its share of the total Canadian output. This is reflected in the increase in the total from 7.1 p.c. in 1939 to 8.4 p.c. in 1954.

Forest resources, fisheries, minerals and electric power have given a broad base and wide diversification to its industrial development. While Ontario and Quebec have an outstanding predominance in each of the major industrial groups of the Standard Industrial Classification, in the production of wood products, however, British Columbia with 40 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 24 and 22 p.c. of the total.

Emphasizing the importance of the forests in the industrial life of the Province, the sawmilling industry ranked first with a gross value of factory shipments of \$347,883,651, and pulp and paper second with \$157,781,577. Third in importance was the petroleum products industry with factory shipments valued at \$81,547,626. This industry received a great impetus with the completion of the Trans-Mountain oil pipeline. In 1953, with shipments valued at \$40,562,462 it ranked seventh, and contributed about 3 p.c. to the total value of factory shipments of the Province. In 1954 it assumed third place with the proportion of the total increasing to 5.5 p.c. In fourth place was fish processing based principally in the estuarial salmon fisheries. This industry was in third place in 1953. British Columbia accounted for approximately 46 p.c. of the output of the fish processing industry in 1954 and plays a large part in making Canada the largest fish exporting nation in the world. Other important industries are: veneers and plywoods, slaughtering and meat packing, sash, door and planing mills, miscellaneous food preparations, ship-building, fertilizers, butter and cheese, fruit and vegetable preparations, etc. The non-ferrous metal smelting and refining industry ranks high among the leading industries. Information, however, cannot be published as there are less than three smelters located in the province.

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres. Growing lines of communication and transportation are fanning out from and leading into formerly locked interior communities to tap a vast new potential and offer new sources of provincial economic unity and strength. Factories

and plants in remote sections are drawing greater value in employment and dollars from natural resources. The growth of the province industrially may be indicated by the increase in employment which is more than double the pre-war figure. In dollar terms, gross value of manufacturing is now more than double of the immediate postwar period, and up more than six-fold since 1939. The consumption of 4.0 billion kwh of electric power by manufacturers during 1954 marks a steady upward climb of 90 per cent in the past decade.

British Columbia ranks second among the provinces in available water-power resources and its hydraulic development which at the end of 1954 totalled 2,246,868 h.p., out of a Canadian total of 16,684,131 h.p., is exceeded only by Quebec and Ontario. Present developments are practically all located in the southern part of the province in the Fraser and Columbia River basins. The Aluminum Co. of Canada is making excellent progress in its great Kemano-Kitimat scheme, involving diversion of the head-waters of the Fraser River through the coastal range by a ten-mile tunnel to an underground powerhouse. The highlight of hydro-electric construction in 1954 was the completion of the first stage of this project. The first three turbines, each of 150,000 h.p., were brought into operation. This power will be used in the production of aluminum which is a new product for British Columbia. Present capacity of the smelter is 91,500 tons of aluminum per annum, with a potential of 550,000 tons, a production that will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1954 numbered 4,462. These plants furnished employment to 95,867 persons who received \$319,802,914 in salaries and wages. They also shipped goods with a selling value at the factory \$1,474,156,242 and spent \$794,885,369 for materials, while the value added by manufacture totalled \$651,812,950. The manufacturing industries of British Columbia expanded during 1954, at a time when the rest of Canada experienced a minor recession. For Canada as a whole there was a drop of 4.5 p.c. in the number of persons employed, 1.5 p.c. in salaries and wages paid, and 1.3 p.c. in the value of factory shipments. British Columbia was the only province in 1954 reporting increased employment in manufacturing, the increase being 2.2 p.c., accompanied by an increase of 6.3 p.c. in salaries and wages paid. Although British Columbia was not the only province to report increased shipments, the increase of 7.9 p.c. was, however, the highest of any province.

TABLE 14. Principal Statistics of the Leading Industries of British Columbia, 1954

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Sawmills	1,910	29,342	92,479,036	176,669,679	166,672,420	347,883,651
2	Pulp and paper	12	6,881	31,455,638	59,436,311	90,056,949	157,781,577
3	Petroleum products	4	1,004	4,257,877	53,471,354	25,786,326	81,547,626
4	Fish processing	82	3,946	10,862,306	42,663,422	27,469,669	71,068,695
5	Veneers and plywoods	12	4,696	15,298,316	23,421,536	32,086,578	56,082,562
6	Slaughtering and meat packing	11	1,418	5,186,428	44,793,933	9,234,459	54,284,450
7	Sash, door and planing mills	214	3,275	9,887,649	35,490,166	17,832,401	54,164,602
8	Miscellaneous food preparations	44	860	2,362,001	36,655,480	7,195,880	43,857,827
9	Shipbuilding	26	3,481	13,954,530	10,536,663	23,169,526	34,040,210
10	Fertilizers	5	1,225	5,343,640	13,184,887	21,393,061	31,108,896
11	Butter and cheese	32	1,937	6,130,535	19,239,106	9,794,795	29,798,290
12	Bruit and vegetable preparations	72	2,052	4,414,112	17,545,981	10,282,414	28,921,420
13	Printing and publishing	92	2,912	10,857,057	6,012,128	18,318,282	24,529,162
14	Bread and other bakery products	262	2,560	7,307,698	10,876,149	11,549,757	23,085,282
15	Bridge building and structural steel	4	1,176	5,073,110	8,951,247	10,272,889	19,442,849
16	Feeds, stock and poultry, prepared	41	731	2,114,869	12,503,504	4,740,358	17,310,255
17	Sheet metal products	31	957	3,616,798	10,816,197	6,170,180	17,029,385
18	Furniture	221	2,050	5,459,575	8,503,076	8,093,058	16,797,448
19	Breweries	11	628	2,440,989	3,044,370	11,568,340	14,892,837
20	Boxes and bags, paper	16	820	2,468,342	9,171,495	5,389,589	14,604,817
21	Machinery, industrial	39	1,451	5,172,271	3,650,588	8,443,348	12,938,105
22	Miscellaneous paper goods	13	612	1,752,990	7,906,463	4,886,913	12,841,088
Totals, leading industries listed above ¹		3,154	74,014	247,915,767	614,543,733	530,807,192	1,163,981,034
Totals, all industries		4,462	95,867	319,802,914	794,885,369	651,812,950	1,474,156,242

1. Other leading industries for which statistics cannot be shown since there are less than three establishments in each industry are: Non-ferrous metal smelting and refining, Sugar refining, and Distilled liquors.

SECTION 7. MANUFACTURING INDUSTRIES IN URBAN CENTRES

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 15, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows

by provinces the proportion contributed by cities and towns having factory shipments of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and town in 1954 accounted for 88 p.c. and 93 p.c. respectively of the totals for those provinces, while for the Atlantic Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the proportions are 72 p.c. and 59 p.c. respectively. In the Prairie Provinces manufacturing is confined to a few urban centres.

TABLE 15. Cities and Towns Each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1954

Note. Statistics published in this table are in some cases higher than the figures published in Table 18, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 18 without disclosing the operations of individual establishments.

Province	Number of urban centres with selling value of factory shipments of over \$1,000,000	Number of establishments reporting in urban centres with selling value of factory shipments of over \$1,000,000	Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments of urban centres as a percentage of shipments in each province
Newfoundland	4	126	73,690,698	109,567,770	67.3
Prince Edward Island	3	61	15,973,456	23,469,743	68.1
Nova Scotia	27	528	203,774,207	300,072,733	67.9
New Brunswick	18	361	228,531,168	287,350,600	79.5
Quebec	163	8,078	5,027,556,543	5,395,786,644	93.2
Ontario	182	9,638	7,505,904,263	8,533,167,214	88.0
Manitoba	10	1,064	481,425,498	571,408,772	84.3
Saskatchewan	8	382	222,530,692	280,733,784	79.3
Alberta	16	941	412,586,436	575,277,702	71.7
British Columbia	41	2,690	873,369,110	1,474,156,242	59.2
Yukon and Northwest Territories	—	—	—	3,536,300	—
Canada	472	23,869	15,045,342,071	17,554,527,504	85.8

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-54

City and Year	Establish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
	No.	No.	\$	\$	\$
Montreal:					
1939.....	2,501	105,315	114,602,118	254,188,246	483,246,583
1944.....	3,109	185,708	308,396,358	650,618,563	1,215,988,014
1946.....	3,785	173,507	291,381,617	602,667,823	1,147,945,303
1948.....	3,887	180,098	368,191,470	841,048,938	1,550,246,090
1949.....	4,136	184,779	399,943,526	847,444,669	1,596,713,694
1950.....	4,127	184,982	419,217,987	914,907,200	1,696,677,033
1951.....	4,137	183,436	449,279,943	1,026,220,450	1,849,153,995
1952.....	4,283	187,396	496,270,442	1,041,585,029	1,960,826,915 ²
1953.....	4,398	193,129	544,284,191	1,067,911,378	2,042,662,785 ²
1954.....	4,415	184,684	539,119,575	1,050,160,663	1,987,217,589 ²
Toronto:					
1939.....	2,885	98,702	122,553,435	240,532,281	482,532,331
1944.....	3,344	154,538	260,776,613	513,429,109	1,020,345,353
1946.....	3,632	145,556	247,298,288	549,256,912	1,036,939,790
1948.....	3,683	154,197	335,142,822	804,970,396	1,475,761,819
1949.....	4,005	158,562	368,510,524	837,148,440	1,579,186,450
1950.....	4,011	160,063	392,754,292	918,699,592	1,686,922,991
1951.....	3,796	151,335	415,206,705	991,268,163	1,763,192,114
1952.....	3,825	149,020	439,286,411	945,304,350	1,790,369,192 ²
1953.....	3,781	154,251	478,086,271	980,873,073	1,875,747,249 ²
1954.....	3,728	145,792	470,046,860	945,614,031	1,810,860,959 ²
Hamilton:					
1939.....	461	31,512	39,563,423	70,829,034	152,746,340
1944.....	480	53,500	94,982,915	171,117,467	363,033,672
1946.....	501	45,951	80,959,432	150,977,835	308,033,098
1948.....	526	53,370	124,016,143	259,800,537	519,132,345
1949.....	546	54,665	137,641,333	285,180,403	563,982,920
1950.....	549	54,823	145,093,180	310,380,224	625,480,893
1951.....	560	58,841	174,296,725	391,412,980	755,546,928
1952.....	575	59,257	190,167,980	385,701,709	781,596,810 ²
1953.....	566	60,451	201,515,979	385,515,852	824,407,315 ²
1954.....	580	54,199	189,099,943	341,555,746	752,353,730 ²
Windsor:					
1939.....	222	17,729	25,938,890	63,907,106	122,474,320
1944.....	231	35,912	80,667,573	232,102,240	387,603,874
1946.....	256	30,889	60,315,436	138,788,813	244,925,148
1948.....	271	32,729	85,354,165	231,706,777	413,749,890
1949.....	283	34,591	94,304,627	271,392,923	494,162,203
1950.....	280	34,901	105,778,494	311,563,422	564,870,512
1951.....	297	34,865	112,776,215	351,697,300	626,292,546
1952.....	330	36,628	130,027,457	377,637,512	646,949,316 ²
1953.....	338	37,514	140,481,193	402,209,586	682,273,319 ²
1954.....	353	30,210	112,816,841	263,143,564	474,634,211 ²
Winnipeg:					
1939.....	648	17,571	20,717,273	44,873,043	81,024,272
1944.....	686	25,870	38,824,299	119,917,745	198,169,626
1946.....	756	26,730	42,354,650	121,531,306	206,381,007
1948.....	765	27,906	54,379,965	157,379,778	264,022,796
1949.....	860	28,687	58,604,162	143,827,270	255,006,806
1950.....	855	27,804	58,991,267	142,486,939	261,781,262
1951.....	849	27,704	65,741,785	167,583,852	292,496,767
1952.....	843	28,162	70,744,396	160,844,930	296,263,701 ²
1953.....	860	28,230	76,008,218	156,860,845	300,186,774 ²
1954.....	864	26,887	74,628,593	150,352,336	288,602,394 ²
Vancouver:					
1939.....	829	17,957	22,382,192	56,565,511	101,267,243
1944.....	933	43,473	79,141,407	142,416,371	289,390,718
1946.....	1,071	31,408	55,960,984	138,045,068	270,165,166
1948.....	1,136	33,815	75,300,519	211,726,521	360,749,092
1949.....	1,225	33,536	78,793,345	204,642,965	358,620,526
1950.....	1,219	34,411	85,542,771	234,053,078	409,347,342
1951.....	1,255	34,376	96,222,111	270,748,863	461,594,390
1952.....	1,275	33,296	102,163,999	248,964,894	437,663,057 ²
1953.....	1,316	33,822	108,896,725	255,906,780	448,591,543 ²
1954.....	1,335	33,916	114,114,199	273,058,336	486,913,181 ²

1. Net values derived from gross value by deducting cost of materials, fuel and electricity. For cost of fuel and electricity in 1954 see Table 18.

2. Since 1952 the basis of collection was "Selling Value of Factory Shipments" instead of "Gross Value of Products".

TABLE 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, Grouped According to the Number of Employees per Establishment, 1954

Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Montreal Metropolitan Area:						
Under 5 employees	1,362	3,267	6,811,107	381,691	19,132,884	33,756,396
5 to 14 employees	1,477	12,658	30,584,245	1,286,486	70,444,288	129,199,907
15 " 49 "	1,298	35,439	86,786,881	3,595,163	188,332,553	356,761,767
50 " 99 "	418	28,689	71,788,443	2,762,088	147,538,238	286,424,029
100 " 199 "	196	27,127	74,238,979	3,450,479	173,023,476	320,189,815
200 " 499 "	127	38,621	114,643,765	9,439,737	298,780,684	551,143,458
500 " 999 "	45	30,246	101,403,446	16,393,811	437,177,793	722,530,201
1,000 " 1,499 "	12	14,438	54,866,623	3,806,047	105,788,471	224,270,795
1,500 and over	11	41,589	151,736,596	3,456,927	204,183,981	430,657,782
Not classifiable	104	—	9,669	172	1,196,140	1,438,841
Head Offices ¹	—	7,737	34,831,319	—	—	—
Totals	5,050	239,811	727,701,073	44,572,601	1,645,598,508	3,056,372,991
Toronto Metropolitan Area:						
Under 5 employees	1,277	3,057	6,543,802	414,678	11,920,853	24,093,876
5 to 14 employees	1,374	11,804	31,403,394	1,530,045	52,730,119	109,766,085
15 " 49 "	1,164	31,064	90,271,987	3,616,108	173,516,832	346,080,920
50 " 99 "	350	24,214	72,591,384	3,850,367	176,214,264	325,205,428
100 " 199 "	199	27,527	86,727,979	5,019,947	191,282,665	369,628,739
200 " 499 "	112	33,811	114,461,354	5,424,920	232,088,822	459,580,613
500 " 999 "	37	24,647	86,194,615	3,744,613	116,040,038	279,387,940
1,000 " 1,499 "	14	16,935	61,180,133	3,221,256	129,303,376	250,671,090
1,500 and over	10	23,082	84,753,476	3,206,352	212,916,029	379,624,374
Not classifiable	130	—	578	43,875	1,493,916	2,244,330
Head Offices ¹	—	4,575	23,208,705	—	—	—
Totals	4,667	200,716	657,337,207	30,072,161	1,288,506,914	2,546,283,395
Hamilton Metropolitan Area:						
Under 5 employees	203	496	961,504	84,378	1,586,887	3,272,789
5 to 14 employees	194	1,658	4,400,990	302,888	7,310,653	15,341,271
15 " 49 "	121	3,411	10,318,862	856,284	22,060,238	41,825,977
50 " 99 "	59	4,168	13,066,469	859,244	31,099,557	60,107,669
100 " 199 "	37	5,424	15,168,043	806,816	43,195,719	76,025,412
200 " 499 "	39	11,954	38,997,307	3,397,816	88,431,466	183,584,752
500 " 999 "	7	5,290	18,212,016	1,371,152	34,685,073	59,006,540
1,000 " 1,499 "	3	24,460	95,368,169	13,396,875	129,825,700	344,428,487
1,500 and over	5	—	—	—	94,945	97,593
Not classifiable	11	—	—	—	—	—
Head Offices ¹	—	210	664,893	—	—	—
Totals	679	57,071	197,158,253	21,075,453	358,290,238	783,690,490
Windsor Metropolitan Area:						
Under 5 employees	127	275	595,201	49,303	1,085,285	2,466,141
5 to 14 employees	105	913	2,570,692	179,138	4,433,399	9,645,421
15 " 49 "	63	1,735	5,558,923	354,080	7,187,819	18,164,493
50 " 99 "	28	1,862	6,429,546	423,255	12,557,104	25,700,587
100 " 199 "	27	3,748	13,613,831	911,652	25,367,737	52,383,311
200 " 499 "	18	5,668	21,597,303	1,346,765	27,743,894	72,766,703
500 " 999 "	4	16,727	64,497,873	2,610,377	190,046,966	302,929,141
1,500 and over	2	—	—	—	—	—
Not classifiable	7	—	25,096	3,285	62,406	101,210
Head Offices ¹	—	41	187,823	—	—	—
Totals	381	30,969	115,076,288	5,877,855	268,484,610	484,157,007
Winnipeg Metropolitan Area:						
Under 5 employees	325	792	1,535,404	111,462	2,705,813	5,642,831
5 to 14 employees	262	2,179	5,247,213	400,994	15,207,472	25,524,170
15 " 49 "	203	5,613	14,466,432	798,170	38,889,623	66,842,562
50 " 99 "	96	6,552	17,640,396	1,138,156	48,544,048	84,345,269
100 " 199 "	46	6,513	18,137,512	2,174,455	57,469,500	102,672,630
200 " 499 "	17	4,762	15,043,506	706,615	37,926,541	70,049,420
500 " 999 "	3	2,090	6,812,747	278,687	39,930,876	53,193,396
1,000 " 1,499 "	3	7,057	21,695,307	732,840	48,127,906	80,754,075
1,500 and over	2	—	—	—	—	—
Not classifiable	48	—	158	425	188,896	203,520
Head Offices ¹	—	195	797,761	—	—	—
Totals	1,005	35,753	101,376,436	6,341,804	288,990,475	489,227,873
Vancouver Metropolitan Area:						
Under 5 employees	601	1,406	2,836,858	192,609	5,017,085	10,149,367
5 to 14 employees	523	4,262	11,903,226	752,552	21,223,143	41,835,663
15 " 49 "	339	8,986	28,115,720	1,580,688	68,889,576	122,592,715
50 " 99 "	115	8,083	27,275,855	1,941,752	74,268,347	134,495,122
100 " 199 "	49	7,049	23,671,889	1,652,117	74,274,541	126,523,654
200 " 499 "	29	8,705	31,154,264	2,836,322	109,695,987	182,982,880
500 " 999 "	9	6,515	23,998,814	994,133	45,490,925	93,809,145
1,000 " 1,499 "	3	3,577	12,508,728	192,644	12,169,187	37,416,941
Not classifiable	61	—	1,581	25	279,403	471,604
Head Offices ¹	—	1,546	7,977,741	—	—	—
Totals	1,729	50,129	169,444,676	10,142,842	411,308,194	750,277,091

1. Under this heading are included only those head offices which are not located at the plant.

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1954

Note. Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total Value of Shipments.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Newfoundland:						
Harbour Grace	8	282	524,992	29,542	969,050	2,088,288
St. John's	100	2,535	6,170,482	516,624	11,171,993	25,414,930
Prince Edward Island:						
Charlottetown	34	632	1,491,393	168,154	7,155,216	10,430,566
Souris	7	201	299,757	43,808	1,226,622	1,808,708
Summerside	20	290	490,308	50,374	2,830,973	3,734,152
Nova Scotia:						
Amherst	23	930	2,149,849	245,087	4,332,663	8,194,585
Berwick	8	219	425,809	68,296	1,975,800	2,684,739
Bridgetown	9	143	291,963	23,814	578,976	1,189,791
Bridgewater	16	155	299,219	31,130	915,723	1,540,852
Dartmouth	17	200	453,588	50,821	680,922	1,892,195
Digby	8	149	265,886	27,388	1,160,287	1,570,019
Glace Bay	18	251	408,964	62,608	869,969	1,649,741
Halifax	141	6,216	16,732,152	966,813	30,332,759	62,648,425
Hantsport	5	369	810,916	139,143	1,995,524	4,183,275
Liverpool	7	203	483,091	26,883	599,114	1,439,550
Lockeport	4	253	405,916	41,228	899,085	1,608,259
Louisburg	5	279	531,959	54,194	1,295,006	2,348,317
Lunenburg	15	666	1,557,735	104,011	3,313,913	5,853,613
Mahone Bay	10	160	305,067	19,750	532,185	1,038,924
Middleton	9	176	279,774	51,963	1,087,042	1,703,888
New Glasgow	29	835	2,180,250	358,816	2,742,223	5,550,324
North Sydney	13	271	644,891	43,511	1,467,652	2,770,255
Pictou	10	556	1,420,518	53,144	2,071,214	3,797,850
Shelbourne	18	184	359,591	23,147	715,182	1,330,554
Stellarton	11	99	178,705	17,550	566,665	1,003,298
Sydney	42	4,903	15,676,947	3,733,358	26,185,910	49,267,806
Trenton	7	1,465	4,397,336	519,100	11,307,514	19,470,553
Truro	49	1,055	1,974,037	202,388	5,317,464	9,980,128
Windsor	12	271	498,321	46,571	1,817,081	2,576,300
Wolfville	8	88	168,882	34,251	477,773	779,065
Yarmouth	29	690	1,311,516	129,615	3,510,290	6,145,385
New Brunswick:						
Campbellton	13	181	413,599	50,459	693,315	1,560,022
Fredericton	41	886	1,791,794	137,882	3,652,793	6,829,037
Grand Falls	18	188	360,071	69,847	832,765	1,551,255
Hartland	5	63	102,147	25,027	638,829	1,005,960
Lancaster	7	719	2,297,912	741,217	5,930,457	13,989,196
Moncton	49	2,947	8,526,726	621,204	21,203,896	34,344,281
Saint John	111	4,418	11,571,452	1,263,929	43,197,528	71,272,992
St. Stephen	15	484	906,702	73,127	1,905,023	3,641,951
Shippegan	9	295	275,531	15,706	1,177,644	1,503,587
Sussex	16	292	657,480	68,395	2,471,841	3,988,034
Woodstock	15	115	222,733	44,381	903,799	1,335,901
Quebec:						
Acton Vale	16	911	1,658,104	62,398	2,672,839	5,119,350
Amos	16	136	256,131	44,089	791,431	1,254,872
Amqui	15	191	443,567	21,563	1,140,323	1,717,061
Beauceville East	11	142	281,574	10,769	465,045	1,007,603
Beauharnois	17	1,541	5,047,624	3,633,079	11,744,355	26,970,086
Beauport	15	278	563,017	47,643	1,476,376	2,557,017
Bedford	11	650	1,528,231	47,031	1,032,381	3,297,672
Beebe Plain	8	214	337,880	9,101	737,495	1,379,127
Berthierville	15	677	1,463,680	159,412	3,068,037	6,199,378
Cabano	11	248	527,058	9,250	896,971	1,803,121
Cap-de-la-Madeleine	4	2,286	6,072,358	1,551,997	21,290,617	37,424,977
Chamby-Bassin	6	103	211,966	14,737	674,249	1,110,196
Chicoutimi	37	556	1,253,454	128,098	2,357,551	4,480,386
Coaticook	23	1,001	2,236,429	132,380	4,693,127	7,847,333
Contrecoeur	10	331	536,150	17,310	830,640	1,629,580
Danville	12	177	352,103	94,097	913,946	1,455,736
Delson	4	484	1,602,824	722,052	760,772	6,049,388
Disraeli	8	143	240,247	13,772	671,579	1,098,323
Drummondville	51	5,502	14,467,374	1,155,270	24,206,091	54,183,007
Farnham	22	1,050	2,525,634	182,741	4,143,533	8,918,966
Fort Chambly	8	418	1,090,096	62,204	1,669,044	3,503,064
Giffard	12	141	319,436	32,080	860,541	1,484,181
Granby	90	5,721	14,213,271	842,190	28,489,402	56,836,241
Grand-Mère	32	2,469	6,453,482	1,614,971	14,000,394	30,704,724
Hull	51	3,766	11,789,846	2,017,877	27,973,220	52,524,891
Huntingdon	12	491	1,375,962	141,839	5,798,534	8,147,861
Iberville	25	488	1,109,279	69,046	1,735,356	4,137,688
Joliette	61	2,101	4,855,527	580,541	7,939,485	17,472,946
Lachine	71	9,112	31,894,809	1,270,756	40,111,542	101,302,080
Lachute	15	283	726,494	151,572	1,782,459	3,086,175

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1954 — Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Quebec—Concluded:						
La Pêrade	13	257	477,859	91,693	1,907,376	2,581,666
Laprairie	19	370	1,078,900	193,242	1,263,304	3,614,641
Lasalle	41	4,750	15,943,516	3,040,349	53,474,149	104,868,993
La Sarre	15	162	343,907	30,663	825,208	1,383,614
L'Assomption	17	570	1,363,775	106,432	2,341,688	4,485,074
Lennoxville	13	340	1,005,151	160,877	2,112,131	3,825,420
L'Epiphanie	16	265	634,805	42,709	1,275,868	2,299,252
Lévis	41	515	1,027,507	67,559	2,217,166	4,472,003
Longueuil	35	3,167	9,656,189	459,337	13,875,739	28,409,806
Loretteville	23	482	881,337	36,045	1,776,559	3,546,699
Maniwaki	16	170	358,820	14,032	1,081,316	1,778,491
Marieville	20	579	1,198,475	85,758	3,331,944	5,485,422
Matane	21	259	596,555	52,075	1,273,668	2,572,877
Mégantic	24	670	1,218,385	118,050	1,688,542	3,888,972
Mont-Laurier	16	271	583,549	38,981	1,161,227	2,124,387
Montmagny	40	1,408	3,059,504	189,275	5,195,135	11,478,969
Montreal	4,415	184,684	539,119,575	19,030,786	1,050,160,663	1,987,217,589
Montreal East	34	6,085	23,596,652	15,282,101	326,626,632	481,431,866
Montreal North	12	117	307,776	17,757	480,173	1,126,733
Mont Royal	15	3,781	12,787,916	382,069	31,309,225	57,060,217
Nicolet	15	350	726,138	63,265	1,860,641	3,281,055
Notre-Dame-de-Portneuf	14	526	1,409,046	330,787	3,922,952	7,416,877
Outremont	49	2,124	5,886,044	180,367	10,544,858	23,365,193
Pierreville	10	163	268,453	9,903	783,530	1,278,720
Plessisville	26	842	2,118,496	92,783	3,002,756	6,844,210
Pointe-aux-Trembles	11	158	377,038	29,359	936,628	1,777,895
Pont-Viau	8	189	360,655	29,741	616,432	1,183,831
Princeville	15	524	1,186,747	100,587	6,423,540	8,601,364
Quebec	432	17,506	43,112,269	5,135,439	90,623,149	187,550,749
Richmond	14	537	1,178,154	32,676	1,913,143	3,959,477
Rimouski	32	383	999,831	53,065	1,662,565	3,535,452
Rivière-du-Loup	22	219	383,678	37,548	1,003,965	1,788,837
Rock Island	15	606	1,565,737	74,334	1,206,847	4,565,521
Rouyn	20	189	444,465	47,973	942,770	1,984,453
Senneterre	9	266	638,638	21,842	566,628	1,206,628
Shawinigan Falls	50	5,634	19,968,283	9,633,286	48,377,205	117,979,999
Shawville	10	88	179,740	26,806	1,051,721	1,370,696
Sherbrooke	121	7,599	18,589,251	1,198,942	36,795,868	77,000,124
Sorel	36	1,741	5,021,837	2,203,866	4,960,769	12,358,543
Sutton	10	137	219,913	29,504	905,832	1,279,851
St-Agathe-des-Monts	18	125	270,206	27,015	681,796	1,151,632
St-Anselme	10	81	149,469	19,976	1,062,678	1,309,611
St-Basile S.	5	122	300,192	409,690	200,897	1,176,157
St-Casimir	17	117	216,481	18,527	620,581	1,047,157
St-Césaire	25	266	415,763	37,934	1,906,829	2,644,833
St-Croix	5	118	243,685	7,436	548,625	1,028,858
St-Eustache	13	106	211,236	25,818	820,643	1,343,171
St-Félicien	18	192	409,250	27,008	2,156,899	3,174,944
St-Gabriel-de-Brandon	29	541	817,735	38,073	1,120,537	2,375,132
St-Georges (Beauce Co.)	16	382	743,119	72,456	997,725	2,225,694
St-Georges West	9	252	443,617	44,753	1,052,554	1,974,296
St-Hyacinthe	83	4,232	9,174,152	597,243	23,919,369	40,835,934
St-Jacques	10	216	382,053	17,848	1,213,484	1,701,524
St-Jean (St. Johns)	78	4,666	13,309,581	952,381	20,326,684	43,566,899
St-Jérôme (Terrebonne Co.)	57	3,353	8,203,180	574,412	12,989,280	29,893,284
St-Joseph (Beauce Co.)	14	205	365,218	28,628	506,583	1,141,551
St-Lambert	19	798	2,125,557	89,593	3,478,395	7,346,914
St-Laurent	56	13,407	50,363,616	1,498,528	56,580,028	134,972,266
St-Leonard-d'Aston	9	173	270,206	29,022	1,085,686	1,561,361
St-Marie (Beauce Co.)	19	862	1,665,056	139,008	4,582,702	8,612,066
St-Michel (de-Laval)	55	641	1,548,782	110,821	2,276,616	5,005,965
St-Pie	14	200	381,913	48,229	1,557,826	2,305,642
St-Raymond	18	221	296,260	23,839	729,633	1,404,756
St-Rémi	14	568	583,044	61,754	3,165,446	5,106,287
St-Rose	10	221	545,215	23,252	1,325,561	2,423,277
St-Thérèse de Blainville	35	978	2,022,567	106,818	3,430,987	7,268,220
St-Tite	24	375	602,455	19,636	1,353,806	2,531,037
Terrebonne	19	633	1,547,551	79,153	2,120,259	4,874,633
Theftford Mines	38	463	1,087,308	105,150	1,169,086	3,040,959
Thurso	11	351	889,088	22,758	2,043,180	3,234,384
Trois-Pistoles	17	229	461,173	60,717	1,793,524	2,803,232
Three Rivers	90	7,558	23,263,888	6,988,175	48,734,375	115,541,431
Val-d'Or	21	191	406,987	49,225	931,222	1,681,903
Valleyfield	42	3,506	9,015,428	685,161	15,310,585	31,139,321
Verdun	74	1,824	4,146,205	138,426	8,194,628	16,375,749
Victoriaville	59	2,559	5,613,026	206,376	9,819,821	18,956,643
Warwick	17	431	857,527	87,325	1,954,545	3,611,066
Waterloo	20	705	1,736,337	83,830	2,775,040	5,564,240
Waterville	8	163	334,762	42,839	569,214	1,308,676
Westmount	31	2,039	5,907,487	406,239	6,297,619	17,421,163
Ontario:						
Acton	18	901	2,325,108	247,614	5,518,688	10,145,356
Alexandria	10	219	279,165	28,480	606,906	1,032,501
Alliston	10	87	229,397	16,971	578,322	1,077,678
Almonte	13	235	544,366	118,982	2,965,303	3,832,605
Amherstburg	14	1,016	3,450,739	1,740,709	3,992,205	19,295,158

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1954 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Ontario - Continued						
Annaprior	19	638	1,878,876	125,416	2,621,678	5,944,890
Aurora	19	727	1,966,309	92,227	4,170,574	7,766,140
Ayr	8	98	198,488	23,402	1,786,595	2,223,247
Barrie	32	1,129	3,164,999	177,448	10,180,053	17,880,109
Beamsville	12	181	361,634	31,998	583,508	1,261,586
Belleville	67	3,228	10,280,732	2,179,708	15,109,555	41,346,473
Bloomfield	8	135	224,355	27,545	1,022,953	1,569,090
Blyth	4	87	93,008	15,217	1,006,566	1,334,696
Bowmanville	19	372	2,761,066	183,622	4,426,065	10,639,829
Brampton	37	1,262	3,714,431	256,398	5,843,151	12,838,431
Brantford	166	11,055	34,572,090	1,795,467	61,069,439	119,653,424
Brighton	12	194	447,230	25,060	1,340,397	2,161,325
Brockville	44	1,704	4,719,045	299,531	10,955,452	20,056,114
Burlington	24	847	2,609,169	133,853	7,033,514	11,793,302
Caledonia	11	448	1,085,850	404,465	3,502,007	6,298,431
Campbellford	17	340	706,986	72,855	2,270,080	3,151,548
Carleton Place	12	451	1,082,967	75,671	1,724,976	3,646,548
Casselman	8	51	144,489	24,653	688,302	1,027,283
Chatham	80	3,670	12,108,456	952,015	59,044,858	86,754,964
Chelsey	14	349	758,588	23,614	1,358,890	2,401,677
Clinton	9	126	294,555	29,416	674,310	1,097,349
Cobourg	31	1,026	3,099,509	233,252	5,628,110	12,004,514
Collingwood	22	1,017	2,787,059	137,944	4,028,255	8,588,485
Cornwall	55	6,782	20,420,630	3,978,993	30,675,805	76,207,557
Deseronto	6	202	394,013	32,541	1,011,983	1,732,481
Dresden	11	147	319,370	62,426	1,410,025	2,777,441
Dundas	37	1,296	3,911,932	253,863	4,766,742	10,675,707
Dunnville	21	1,155	2,563,365	153,253	7,670,211	12,357,131
Durham	11	233	500,796	52,186	732,068	1,383,439
Eastview	28	405	1,215,814	95,628	4,708,413	6,629,348
Eganville	11	128	285,021	47,505	1,000,537	1,626,654
Elmira	22	569	1,628,773	193,896	4,435,674	7,883,530
Essex	12	281	735,142	85,109	1,979,878	3,491,764
Exeter	7	92	186,570	29,277	666,137	1,101,154
Forest	11	199	386,063	41,520	890,942	1,521,814
Fort Erie	27	1,382	5,045,145	103,800	5,579,144	16,469,905
Fort William	61	3,697	12,994,227	3,049,872	21,815,040	53,449,457
Galt	93	6,091	17,575,973	820,615	26,950,046	55,979,731
Gananoque	20	851	2,440,386	213,103	4,160,948	8,249,560
Georgetown	17	1,219	3,861,594	216,721	7,250,619	12,475,458
Glencoe	8	167	453,517	10,213	1,178,563	1,468,510
Goderich	19	592	1,819,769	190,566	3,053,521	6,833,984
Gravenhurst	10	244	651,460	23,728	899,336	2,109,112
Grimsby	14	411	945,088	65,074	2,113,149	4,401,939
Guelph	115	6,378	19,683,625	1,338,339	32,192,433	65,495,161
Hamilton	580	54,199	189,099,943	20,470,777	341,555,746	752,353,730
Hanover	22	837	2,405,496	107,728	3,322,963	6,916,679
Harriston	14	187	404,100	66,637	1,666,417	2,527,048
Harrow	9	105	222,303	41,737	1,195,535	2,056,352
Hearst	8	186	442,653	24,721	711,329	1,381,949
Hespeler	18	1,401	3,732,578	425,715	5,240,988	11,799,031
Huntsville	18	413	977,334	80,325	2,361,894	3,952,455
Ingersoll	23	1,086	3,107,772	220,753	8,595,584	14,155,822
Kemptville	9	79	202,978	69,076	1,175,292	1,774,473
Kincardine	13	394	764,476	53,405	1,177,306	2,205,351
Kingston	72	5,548	18,003,011	1,462,195	36,448,110	75,964,879
Kitchener	205	14,597	43,271,740	2,128,245	88,325,204	181,320,649
Leamington	20	1,375	3,879,880	374,341	13,766,452	24,963,483
Leaside	56	11,188	35,988,734	1,852,796	73,557,687	151,494,055
Lindsay	39	1,477	3,775,327	321,994	6,276,518	13,108,569
Listowel	12	369	819,018	72,923	1,820,432	3,466,713
London	308	16,249	48,538,850	2,523,133	83,870,282	193,359,614
Long Branch	29	2,232	7,315,034	279,059	11,214,532	27,232,866
Mattawa	5	180	433,380	24,738	721,935	1,462,487
Meaford	19	483	1,100,667	88,927	2,051,216	4,149,646
Merriton	16	1,749	6,647,781	1,094,214	12,494,786	24,246,122
Midland	22	991	2,656,822	120,151	7,640,299	11,446,839
Midway	10	99	182,223	17,759	659,398	1,033,160
Milton	16	848	2,601,996	449,455	2,983,652	8,067,927
Milverton	11	197	465,961	26,071	839,531	1,542,353
Mimico	36	698	2,196,612	130,484	3,665,590	7,954,246
Mitchell	14	114	238,170	64,347	1,575,891	2,294,634
Mount Forest	14	210	380,507	27,774	901,282	1,655,231
Napanee	15	380	1,070,791	105,113	2,198,780	4,194,531
New Hamburg	12	362	803,013	37,982	1,152,198	2,768,609
New Liskeard	14	604	1,458,677	64,757	2,788,140	5,514,226
Newmarket	25	1,019	2,656,915	161,852	4,584,230	9,801,755
New Toronto	53	7,404	28,166,296	2,168,414	83,698,483	159,746,248
Niagara (on the lake)	7	163	327,257	19,227	666,464	1,216,362
Niagara Falls	85	6,602	22,416,281	6,428,905	43,167,299	99,728,079
North Bay	30	597	1,692,556	135,696	1,982,360	4,974,052
Norwich	8	96	180,868	24,231	864,392	1,335,209
Orangeville	11	135	275,394	25,224	830,303	1,296,911
Orillia	61	2,160	5,937,165	423,851	6,871,915	17,370,463
Ottawa	293	10,428	30,478,929	2,017,833	45,675,339	106,818,341
Owen Sound	52	2,517	7,144,614	316,696	7,635,000	21,743,179
Paris	26	1,208	3,215,742	154,538	5,731,569	10,273,846
Pembroke	40	1,583	4,064,158	231,872	6,437,428	12,936,566
Penetanguishene	12	503	1,163,701	56,804	1,720,304	3,523,950

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1954 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Ontario - Concluded:						
Perth	27	834	1,942,542	110,720	4,571,035	9,168,231
Peterborough	101	9,623	33,135,155	1,268,870	63,633,606	124,467,180
Petrolia	14	198	460,811	85,385	1,373,033	2,183,096
Pictou	18	198	340,637	32,536	945,836	1,647,369
Port Arthur	59	2,608	9,234,194	2,168,300	17,280,291	41,408,506
Port Credit	20	1,345	4,403,810	566,207	25,839,524	41,246,409
Port Dover	9	130	254,406	22,116	775,039	1,330,355
Port Elgin	8	182	343,699	17,123	557,348	1,085,679
Port Hope	28	1,099	3,762,506	273,362	4,650,581	12,672,173
Preston	36	2,666	7,381,337	251,015	8,198,825	19,503,607
Renfrew	29	1,044	2,953,785	215,675	4,583,652	10,644,088
Richmond Hill	12	126	292,214	15,579	957,943	1,466,352
Ridgeway	12	162	357,518	26,049	866,468	1,674,258
Riverside	7	125	395,759	41,843	780,807	1,555,773
St. Catherine's	114	11,578	40,043,033	2,267,497	60,128,976	126,685,340
St. Mary's	12	512	1,609,596	1,418,180	4,387,586	11,958,055
St. Thomas	52	2,189	6,169,211	381,793	8,443,957	19,745,118
Sarnia	54	7,899	30,941,555	14,820,632	150,702,953	288,953,491
Sault St. Marie	56	7,417	26,460,675	5,408,695	45,688,667	97,684,159
Seaford	12	233	472,269	28,334	954,088	1,700,901
Simcoe	31	1,331	3,825,765	240,275	23,463,464	31,885,533
Smith's Falls	24	915	2,161,349	147,080	3,158,907	7,892,789
Southampton	5	296	770,601	31,556	1,122,577	2,242,175
Stirling	9	88	199,302	8,859	732,078	1,073,965
Stratford	69	3,150	8,952,500	395,561	16,130,408	30,121,294
Strathroy	20	385	826,748	48,991	1,449,240	2,909,041
Streetsville	14	415	1,226,943	150,623	4,292,066	7,093,894
Sudbury	61	1,075	3,079,517	347,696	5,744,743	12,218,206
Swansea	14	687	2,266,524	24,318	4,127,102	8,893,280
Tavistock (Oxford Co.)	7	148	337,864	29,498	1,900,334	2,505,501
Thorold	25	2,769	11,114,301	3,259,942	22,879,965	46,847,830
Tilbury (Essex Co.)	5	184	293,045	51,833	872,137	1,511,398
Tilbury (Kent Co.)	10	689	2,474,978	136,132	2,041,465	6,362,940
Tilsonburg	30	1,026	2,359,472	250,339	11,144,049	15,389,148
Timmins	25	532	1,269,884	122,635	2,225,840	5,051,170
Toronto	3,728	145,792	470,046,860	19,883,670	945,614,031	1,810,860,959
Trenton	31	1,435	3,887,278	499,038	8,036,841	16,461,127
Tweed	11	217	391,145	23,341	1,116,625	2,308,032
Uxbridge	12	125	313,666	27,173	869,763	1,790,227
Walkerton	12	447	1,080,489	37,366	1,240,640	2,849,727
Wallaceburg	30	2,322	7,040,396	1,005,650	6,817,696	19,396,657
Waterloo	60	2,806	8,602,920	465,306	12,440,841	38,695,007
Welland	60	6,636	24,624,933	3,622,145	39,326,734	88,867,672
Wellington	9	145	294,386	64,939	1,218,044	2,019,674
West Lorne	7	228	511,725	32,008	1,178,881	2,145,532
Weston	73	3,560	11,649,583	617,505	20,040,124	43,825,708
Whitby	12	246	558,541	43,582	972,569	1,908,596
Winchester	7	66	159,087	56,824	1,568,489	2,126,851
Windsor	353	30,210	112,816,841	5,718,287	263,143,564	474,634,211
Wingham	15	325	735,623	56,215	1,736,411	3,009,458
Woodstock	65	3,829	11,132,662	564,191	28,794,087	49,653,049
Manitoba:						
Brandon	40	867	2,455,601	315,724	9,730,218	14,164,669
Dauphin	16	110	229,598	36,476	836,465	1,346,121
Morden	10	137	331,822	43,597	586,630	1,241,203
Neepawa	8	109	301,020	84,841	667,049	1,260,670
Portage-la-Prairie	14	137	333,378	30,346	640,834	1,308,246
St. Boniface	88	4,454	13,951,294	1,192,185	102,825,268	135,250,729
Selkirk	10	829	2,758,334	487,841	2,803,972	6,680,614
Winnipeg	864	26,887	74,628,593	3,503,403	150,352,336	288,602,394
Saskatchewan:						
Hudson Bay Junction	11	84	224,337	19,072	532,207	1,052,784
Melville	9	56	117,260	26,434	922,443	1,277,247
Moose Jaw	49	1,234	3,846,607	1,011,753	32,954,291	45,510,227
North Battleford	13	165	389,668	46,624	1,081,730	1,927,538
Prince Albert	34	942	2,745,867	222,452	11,214,678	18,435,769
Regina	135	3,246	10,724,072	2,026,213	48,446,778	81,612,344
Saskatoon	117	2,979	8,956,210	1,073,839	46,923,443	69,740,227
Swift Current	14	188	565,072	78,899	1,743,456	2,974,556
Yorkton	18	159	445,028	64,214	1,321,348	2,297,858
Alberta:						
Athabasca	27	105	178,261	18,950	695,296	1,069,851
Barhead	16	92	199,309	18,556	1,057,918	1,884,607
Calgary	323	8,724	27,545,955	1,566,702	89,447,642	142,658,400
Camrose	12	88	213,958	24,250	800,930	1,269,290
Edmonton	359	11,602	36,566,224	2,410,499	120,724,289	191,013,734
Grande-Prairie	23	300	738,255	79,365	1,682,383	3,350,898
Lethbridge	53	1,123	2,977,437	207,302	7,249,405	14,484,597
Lloydminster Pt.	9	296	941,416	289,345	5,997,929	10,703,145
Medicine Hat	39	922	2,407,014	150,998	13,434,486	18,000,841
Red Deer	21	246	692,322	66,757	2,556,071	4,583,529
Rocky Mountain House	27	199	448,292	38,395	2,741,428	3,970,219
Wetaskiwin	10	69	167,404	14,266	815,211	1,084,048

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1954 — Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
British Columbia:						
Armstrong	13	129	308,777	27,500	715,032	1,322,741
Burns Lake	22	203	488,771	53,550	1,686,681	2,759,508
Chilliwack	21	263	583,971	80,849	1,562,075	2,874,360
Cranbrook	29	413	1,255,453	104,758	2,358,527	4,637,355
Creston	14	126	281,004	17,747	806,760	1,201,830
Dawson Creek	31	288	650,503	52,213	1,876,275	2,871,982
Duncan	19	160	458,352	41,476	830,201	1,613,076
Enderby	23	116	268,601	26,494	602,669	1,075,909
Fernie	6	92	292,903	40,671	619,580	1,601,703
Grand Forks	11	151	354,960	41,048	542,858	1,299,704
Hope	8	116	336,100	25,527	445,204	1,091,836
Kamloops	42	521	1,526,019	226,679	5,237,648	7,503,807
Kelowna	44	630	1,867,366	121,123	3,743,779	6,790,274
Kimberley	5	283	1,096,988	88,720	2,777,761	2,904,541
McBride	7	159	415,273	37,050	635,765	1,286,731
Merritt	9	170	522,875	31,058	1,215,078	2,508,692
Mission City	18	335	929,040	81,198	2,708,832	5,261,939
Nanaimo	25	372	1,235,084	90,357	2,216,515	4,355,292
Nelson	27	608	1,623,064	112,718	2,935,013	6,342,045
New Westminster	134	6,320	20,927,096	1,445,044	59,214,311	110,586,100
North Vancouver	57	2,268	8,428,264	336,913	10,096,670	27,665,258
Oliver	13	150	399,638	29,051	735,491	1,751,441
Pentiction	30	387	1,097,803	72,050	2,161,790	4,265,024
Port Alberni	21	2,748	9,502,026	349,886	19,602,910	38,657,737
Port Moody	7	536	1,893,630	10,836	3,583,029	7,186,376
Prince George	123	1,435	4,018,919	394,143	11,343,420	19,124,555
Prince Rupert	22	365	1,140,204	103,877	2,222,331	3,666,722
Quesnel	115	994	2,586,910	202,114	7,059,383	12,687,256
Revelstoke	22	153	370,379	45,637	414,087	1,074,986
Salmon Arm	12	123	299,993	29,705	1,100,758	2,059,010
Smithers	34	157	335,190	31,775	1,121,160	2,014,394
Terrace	10	98	369,660	16,224	444,572	1,176,044
Vancouver	1,335	33,916	114,114,199	6,104,757	273,058,336	486,913,181
Vanderhoof	27	101	210,066	22,092	613,151	1,289,393
Vernon	45	428	1,086,411	87,247	1,842,341	3,960,907
Victoria	213	4,918	16,530,906	943,558	26,123,405	58,354,056
William's Lake	61	359	783,838	92,052	3,056,246	4,937,878

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1954

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Newfoundland:						
Division No. 1	188	3,555	8,052,306	734,918	14,503,333	31,885,045
Division No. 2	23	712	1,311,645	205,947	1,840,479	4,448,747
Division No. 3	29	399	574,917	68,773	957,747	2,022,209
Division No. 4	36	61	67,608	10,574	164,252	267,522
Division No. 5	50	2,741	13,128,858	1,791,136	17,571,089	43,153,360
Division No. 6	59	1,477	6,036,751	1,115,285	10,098,076	24,674,561
Division No. 7	179	437	455,011	67,728	681,615	1,498,746
Division No. 8	125	219	132,126	14,677	220,574	487,384
Division No. 9	101	291	341,964	47,647	465,867	1,130,196
Totals	790	9,892	30,101,186	4,056,683	46,503,032	109,567,770
Prince Edward Island:						
King's County	54	421	526,158	74,543	2,398,697	3,527,057
Prince County	71	548	780,126	89,527	5,663,375	7,240,944
Queen's County	84	805	1,693,927	202,657	8,939,479	12,701,742
Totals	209	1,774	3,000,211	366,727	17,001,551	23,469,743
Nova Scotia:						
Annapolis	41	419	717,774	87,797	2,230,218	3,741,292
Antigonish	28	222	299,198	35,104	990,614	1,533,330
Cape Breton	133	5,970	17,709,316	3,924,058	30,537,335	57,645,718
Colchester	121	1,693	2,979,482	299,818	8,243,309	15,010,237
Cumberland	102	1,686	3,498,224	507,466	7,966,916	15,222,114
Digby	86	662	894,542	89,422	2,869,678	4,432,122
Gysboro	44	507	725,520	82,508	2,090,613	3,357,127

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Countries and Census Divisions, 1954 - Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Nova Scotia - Concluded:						
Halifax	249	8,281	22,663,718	2,506,276	50,467,046	97,931,238
Hants	63	1,004	1,868,439	385,255	4,819,941	9,077,253
Inverness	62	287	238,629	18,953	1,001,126	1,406,841
Kings	74	707	1,225,337	205,554	5,629,273	8,189,087
Lunenburg and Queens	175	2,799	6,944,990	1,326,075	13,843,488	31,343,644
Pictou	112	3,268	8,598,277	993,775	18,157,208	32,094,277
Richmond	36	265	385,193	38,123	938,732	1,651,177
Shelbourne	81	789	1,224,858	118,211	5,054,618	7,520,119
Victoria	35	79	90,167	8,248	265,453	417,839
Yarmouth	84	973	1,676,576	173,049	6,169,305	9,486,318
Totals	1,526	29,611	71,740,240	10,799,692	161,294,873	300,072,733
New Brunswick:						
Albert	21	196	439,463	161,630	915,312	1,973,278
Carleton	52	511	823,198	135,653	3,154,682	5,034,795
Charlotte	65	2,116	3,352,242	333,256	10,630,100	17,824,391
Gloucester	115	2,145	5,357,638	1,318,864	13,870,027	28,636,782
Kent	57	423	497,722	53,219	2,559,120	3,248,396
King's	52	540	1,262,358	679,288	3,471,580	7,367,376
Madawaska and Victoria	100	1,651	4,740,956	1,397,123	11,329,386	23,387,494
Northumberland	76	1,113	2,475,421	458,868	6,653,028	13,406,610
Queen's	28	215	498,408	203,538	622,309	1,582,134
Restigouche	51	2,127	7,478,786	4,119,629	20,535,351	41,184,278
St. John	138	5,445	14,456,920	2,067,743	51,037,239	88,619,246
Sunbury	10	31	40,430	3,536	141,735	237,782
Westmorland	189	4,345	11,337,500	887,086	26,813,436	45,021,893
York	103	1,249	2,348,386	194,069	5,482,616	9,826,145
Totals	1,057	22,107	55,109,428	12,013,502	157,215,921	287,350,600
Quebec:						
Abitibi	186	1,435	2,301,703	285,393	8,892,270	14,511,160
Argenteuil	72	2,888	7,662,304	578,220	16,120,186	33,564,330
Arthabaska	151	3,906	8,281,921	446,469	20,486,105	34,613,873
Bagot	79	1,352	2,363,007	182,993	8,264,353	12,373,994
Beauce	187	2,727	5,067,846	403,087	13,161,054	24,179,770
Beauharnois	74	6,183	17,535,733	4,786,342	31,341,342	68,861,323
Bellechasse	77	339	483,133	62,384	3,265,787	4,292,246
Berthier	121	1,649	2,887,476	271,756	7,007,665	12,840,102
Bonaventure	88	494	622,767	72,312	2,326,815	3,659,696
Brome	38	234	366,535	52,106	1,577,846	2,225,790
Chamby	120	5,383	15,437,359	806,770	24,002,672	49,670,386
Champlain	237	7,175	18,028,915	4,175,549	56,125,051	103,877,609
Charlevoix East	38	567	1,814,197	908,793	3,947,910	9,488,266
Charlevoix West	35	115	143,804	19,051	460,541	697,569
Chateauguay	40	588	1,219,329	116,986	3,900,743	6,044,179
Chicoutimi	183	10,989	41,068,054	23,705,091	101,260,053	255,923,493
Compton	69	1,412	3,900,143	1,137,113	9,152,415	16,996,209
Deux-Montagnes	56	307	537,775	77,371	1,942,033	3,097,992
Dorchester	117	549	951,052	143,997	5,519,784	7,429,443
Drummond	110	5,795	15,011,279	1,300,983	27,003,718	58,245,919
Frontenac	105	1,172	1,904,706	181,828	5,056,561	8,728,738
Gaspé East	97	836	2,193,946	790,123	5,532,233	10,582,443
Gaspé West	31	332	661,228	14,132	2,334,552	3,718,071
Gatineau	68	318	539,876	34,269	2,302,138	3,651,165
Hull	69	6,710	22,422,182	7,296,241	48,765,283	103,587,824
Huntingdon	28	581	1,543,546	160,279	6,390,783	9,057,432
Iberville	45	593	1,288,631	110,134	2,582,037	5,404,215
Iles-de-la-Madeleine	20	429	295,383	32,836	1,410,818	1,970,857
Jésus Island	50	817	1,746,351	113,870	3,306,592	6,570,572
Joliette	135	2,701	6,346,514	981,085	13,732,040	26,001,512
Kamouraska	88	497	764,809	65,944	2,742,166	4,100,531
Labelle	91	701	1,247,628	99,070	3,588,609	5,977,070
Lac St. Jean East	80	2,291	8,477,559	5,325,494	25,009,645	58,753,556
Lac St. Jean West	159	1,320	3,724,141	1,367,792	12,589,727	24,257,047
La prairie	35	981	3,013,551	944,938	3,146,715	11,711,876
L'Assomption	75	2,752	7,084,959	501,550	34,984,911	44,669,327
Lévis	103	4,217	11,478,198	612,596	15,671,051	34,464,995
L'Islet	97	808	1,463,612	91,071	3,371,671	6,166,096
Lotbinière	101	595	1,025,102	173,718	4,653,000	6,987,303
Maskinongé	78	1,950	3,897,780	268,709	7,075,836	12,061,434
Matane	69	665	1,432,500	82,643	3,160,191	5,999,019
Matapédia	68	425	794,562	60,130	2,737,091	3,998,665
Mégantic	127	1,763	3,853,731	245,536	6,334,676	13,196,636
Missisquoi	77	3,667	9,239,690	696,051	14,483,048	31,762,209
Montcalm	65	479	830,386	60,436	3,071,115	4,387,664
Montmagny	86	1,647	3,440,685	225,488	6,818,947	13,887,367
Montmorency No. 1	45	779	2,497,533	1,442,474	5,840,005	16,357,307
Montmorency No. 2	14	78	156,649	8,913	379,682	675,584
Montréal	4,941	234,662	712,933,787	43,798,685	1,623,072,768	3,009,340,910
Napierville	31	411	820,377	103,975	4,176,087	6,614,733

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Countries and Census Divisions, 1934 - Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Quebec - Concluded:						
Nicolet.....	109	824	1,433,382	165,973	6,750,034	9,472,265
Papineau.....	88	1,740	5,559,023	1,671,991	13,508,092	28,943,313
Pontiac.....	45	293	518,418	49,012	2,312,448	3,396,120
Portneuf.....	173	2,838	8,422,757	3,388,889	19,108,641	41,116,055
Québec.....	581	21,303	51,295,865	5,684,973	114,391,185	226,580,754
Richelieu.....	74	6,659	20,887,053	2,930,802	16,715,760	59,178,027
Richmond.....	82	3,370	10,197,271	2,094,390	20,469,372	41,575,713
Rimouski.....	141	882	1,750,874	152,285	4,803,314	8,315,359
Rivière-du-Loup.....	110	713	1,285,326	153,646	4,843,611	7,627,128
Rouville.....	84	1,322	2,509,536	351,988	8,405,537	13,032,940
Saguenay.....	69	1,246	5,244,652	1,163,903	16,813,979	29,528,726
Shefford.....	161	6,844	16,887,980	1,005,503	34,848,583	67,910,553
Sherbrooke.....	141	7,981	19,667,619	1,367,694	39,124,674	81,163,763
Soulanges.....	26	87	164,070	22,820	811,527	1,104,287
Stanstead.....	103	4,319	9,964,733	960,114	33,944,673	52,189,453
St. Hyacinthe.....	148	4,655	9,807,312	689,497	27,827,330	46,028,469
St. Jean.....	94	4,842	13,634,019	1,006,942	21,873,899	45,931,927
St. Maurice.....	193	13,354	43,448,194	16,653,928	98,230,620	235,064,849
Temiscamingue.....	89	2,223	7,146,778	3,277,513	54,939,957	89,199,590
Témiscouata.....	81	719	1,377,838	45,456	3,702,720	6,087,179
Terrebonne.....	217	6,031	14,328,297	1,035,834	25,139,491	53,927,581
Vaudreuil.....	46	342	649,052	52,536	2,177,634	3,338,363
Verchères.....	68	1,360	3,701,419	800,549	10,368,884	19,701,090
Wolfe.....	57	563	958,653	258,696	2,187,602	4,144,115
Yamaska.....	55	341	537,345	78,435	2,865,475	3,967,119
Totals	12,191	424,095	1,214,661,400	150,486,186	2,806,248,363	5,395,786,644
Ontario:						
Algoma.....	111	7,960	27,791,171	5,454,712	49,119,009	103,342,322
Brant.....	216	12,553	38,497,659	2,033,035	69,411,551	134,063,829
Bruce.....	140	2,184	4,705,415	290,236	9,782,629	16,984,730
Carleton.....	368	10,949	31,867,282	2,145,710	30,987,482	114,448,478
Cochrane.....	105	4,371	16,239,693	3,208,231	34,584,777	86,391,654
Dufferin.....	28	191	374,688	60,412	1,515,968	2,180,931
Dundas.....	48	608	1,428,244	201,571	9,221,332	15,153,988
Durham.....	84	2,254	7,118,476	496,498	10,271,106	25,411,088
Elgin.....	105	3,119	8,123,569	631,978	29,735,782	46,463,419
Essex.....	481	34,464	124,683,252	8,279,791	30,262,388	550,153,764
Frontenac.....	113	5,446	18,125,722	1,487,211	37,469,684	77,282,916
Gengarry.....	50	351	537,299	90,138	2,800,836	3,718,348
Glenville.....	53	2,492	7,254,851	1,329,016	28,043,034	50,497,348
Grey.....	188	4,481	11,875,000	656,740	16,904,029	38,639,618
Haldimand.....	59	1,873	4,436,993	737,215	14,215,004	24,846,713
Haliburton.....	28	312	677,742	37,751	996,152	2,157,240
Halton.....	148	8,427	26,717,146	2,126,227	131,588,039	184,827,037
Hastings.....	233	7,572	21,049,879	3,546,376	39,422,721	92,242,066
Huron.....	131	1,668	4,051,329	433,548	10,148,778	18,093,998
Kenora.....	77	2,037	6,767,797	1,070,980	28,005,043	47,561,883
Kent.....	203	7,519	23,404,795	2,389,075	72,372,053	121,273,639
Lambton.....	127	8,927	33,806,671	16,347,982	177,821,768	328,512,317
Lanark.....	124	2,671	6,177,216	510,251	13,495,317	26,392,781
Leeds.....	114	3,277	9,682,636	688,028	38,589,279	56,037,321
Lennox and Addington.....	59	868	2,843,716	443,727	5,788,218	9,508,981
Lincoln.....	210	15,433	51,288,725	3,778,469	82,486,569	169,984,156
Manitoulin.....	30	88	1,129,778	17,998	632,367	908,989
Middlesex.....	404	18,647	56,185,826	2,912,415	111,310,615	234,987,212
Muskoka.....	78	905	2,090,158	135,092	3,946,744	7,540,323
Nipissing.....	90	1,905	5,377,547	535,809	8,786,476	18,789,912
Norfolk.....	93	2,093	5,549,514	375,407	39,408,742	51,085,564
Northumberland.....	115	1,857	4,774,396	398,432	11,916,905	21,221,500
Ontario.....	188	15,994	56,983,828	2,707,044	227,648,784	349,780,274
Oxford.....	189	6,794	18,763,757	1,722,951	57,051,766	94,471,970
Parry Sound.....	99	974	2,391,237	259,497	5,005,953	11,447,331
Peel.....	135	19,983	78,108,857	5,425,413	155,902,735	280,799,785
Perth.....	158	4,523	12,488,388	2,074,575	29,500,131	49,513,749
Peterborough.....	145	9,848	33,561,426	1,267,590	65,085,245	126,747,888
Prescott.....	78	1,125	3,443,121	1,060,784	5,993,505	15,466,812
Prince Edward.....	64	714	1,167,968	179,535	4,890,331	7,776,044
Rainy River.....	48	1,158	4,848,051	1,130,487	8,293,760	19,356,798
Renfrew.....	202	4,319	11,257,566	1,183,233	19,775,515	42,158,833
Russell.....	54	166	318,659	68,311	2,279,166	2,977,551
Simcoe.....	244	6,272	16,579,144	1,005,376	33,595,640	63,576,634
Stormont.....	91	6,965	20,798,097	4,049,727	34,248,155	80,484,689
Sudbury.....	149	10,484	40,117,077	15,861,757	113,498,123	303,455,304
Thunder Bay.....	217	8,241	29,832,205	8,303,885	63,589,264	143,095,792
Timiskaming.....	90	1,452	3,666,688	306,043	6,586,524	12,106,380
Victoria.....	89	1,741	4,221,945	376,793	7,510,048	15,167,240
Waterloo.....	530	29,146	84,324,713	4,545,416	153,916,275	327,729,989
Welland.....	297	23,425	84,322,579	17,931,668	273,161,831	465,615,575
Wellington.....	219	8,008	24,243,495	1,599,462	41,767,744	83,570,240
Wentworth.....	661	56,263	194,649,412	20,957,610	352,451,274	773,286,927
York.....	4,818	203,617	665,058,990	30,710,001	1,305,416,781	2,577,883,344
Totals	13,178	598,914	1,954,767,388	186,767,220	4,412,536,948	8,533,167,214

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Countries and Census Divisions, 1954 - Concluded

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Manitoba:						
Division No. 1	48	204	401,748	62,969	1,293,010	2,086,063
Division No. 2	38	391	811,124	115,786	3,110,191	4,835,413
Division No. 3	26	91	172,313	31,757	1,208,969	1,567,053
Division No. 4	11	75	179,671	15,021	527,072	868,228
Division No. 5	54	3,009	10,085,439	2,102,440	31,510,995	60,310,232
Division No. 6	993	32,163	91,018,802	5,960,275	259,109,028	437,426,276
Division No. 7	62	925	2,554,996	333,307	10,225,120	14,839,459
Division No. 8	16	76	165,877	43,848	1,217,119	1,645,195
Division No. 9	52	3,003	7,963,498	813,387	9,257,999	26,523,627
Division No. 10	19	143	349,325	91,392	1,121,914	1,845,835
Division No. 11	20	81	161,183	31,850	1,026,906	1,354,572
Division No. 12	28	104	196,435	33,960	1,246,149	1,602,871
Division No. 13	30	166	324,402	48,113	1,201,180	1,895,196
Division No. 14	45	129	183,949	21,388	1,039,642	1,461,824
Division No. 15	18	48	84,271	13,467	499,688	689,076
Division No. 16	62	616	1,801,853	643,998	5,232,627	12,457,852
Totals	1,522	41,224	116,454,886	10,362,958	328,827,609	571,408,772
Saskatchewan:						
Division No. 1	22	114	273,246	44,601	868,811	1,536,592
Division No. 2	13	72	184,706	27,481	359,588	716,875
Division No. 3	8	23	48,448	4,706	57,416	136,016
Division No. 4	10	42	82,863	13,050	283,861	430,277
Division No. 5	37	158	299,009	52,371	1,972,653	2,683,357
Division No. 6	153	3,298	10,808,592	2,035,774	48,603,928	81,899,739
Division No. 7	54	1,245	3,867,467	1,012,643	32,962,880	45,547,764
Division No. 8	17	194	576,852	79,749	1,746,726	2,997,567
Division No. 9	81	355	734,936	153,556	2,951,345	4,700,986
Division No. 10	15	58	111,525	18,503	901,327	1,177,127
Division No. 11	128	3,016	9,027,942	1,081,610	47,052,955	69,999,789
Division No. 12	10	41	112,668	10,573	202,615	403,002
Division No. 13	15	128	330,573	77,150	1,427,278	2,750,284
Division No. 14	209	710	1,254,708	110,403	2,831,947	5,995,990
Division No. 15	88	1,072	2,941,342	271,514	11,969,376	19,591,498
Division No. 16	68	329	643,295	79,610	1,965,896	3,480,055
Division No. 17 & 18	82	671	2,211,661	2,046,786	13,167,399	36,686,866
Totals	1,010	11,526	33,509,833	7,120,080	169,326,001	280,733,784
Alberta:						
Division No. 1	48	1,161	2,964,982	257,129	16,923,433	23,818,346
Division No. 2	104	1,736	4,480,097	422,656	11,439,783	23,356,270
Division No. 3	14	732	2,150,949	137,672	2,675,575	6,099,872
Division No. 4	27	430	1,222,830	154,173	6,219,557	10,758,126
Division No. 5	8	43	71,363	9,666	201,190	335,167
Division No. 6	426	10,074	32,166,266	4,064,940	103,551,676	176,526,194
Division No. 7	27	116	270,303	44,977	1,572,402	2,104,373
Division No. 8	113	688	1,671,285	186,030	7,198,209	11,077,899
Division No. 9	150	688	1,220,566	124,996	5,404,187	8,787,800
Division No. 10	55	479	1,375,289	388,838	7,794,542	13,319,165
Division No. 11	475	13,765	43,940,946	4,642,246	167,412,499	269,516,231
Division No. 12	156	774	1,362,231	127,626	3,286,940	6,311,003
Division No. 13	78	273	511,414	70,438	1,753,542	3,249,810
Division No. 14	164	570	980,919	100,273	4,537,262	7,108,679
Division No. 15	94	544	1,093,417	131,980	3,217,327	6,119,919
Division No. 16	98	663	1,394,597	151,976	3,267,574	6,640,315
Division No. 17	15	29	32,435	6,267	69,291	148,533
Totals	2,052	32,765	96,909,889	11,022,083	346,524,989	575,277,702
British Columbia:						
Division No. 1	132	1,486	4,432,971	909,351	10,091,751	18,142,034
Division No. 2	186	5,912	21,604,190	3,302,805	86,255,438	127,808,851
Division No. 3	366	3,593	9,457,525	731,640	18,102,275	36,445,271
Division No. 4	1,942	54,609	183,372,179	12,898,499	476,022,624	860,227,857
Division No. 5	462	14,103	50,675,675	5,673,558	96,832,668	207,423,269
Division No. 6	304	2,820	7,537,257	791,162	19,120,842	33,777,084
Division No. 7	29	3,409	14,214,345	2,693,680	22,964,385	74,698,370
Division No. 8	869	6,043	14,929,672	1,417,621	37,845,523	69,258,647
Division No. 9	57	3,382	12,592,812	2,736,732	25,186,197	42,204,728
Division No. 10	115	510	986,318	91,046	2,463,616	4,170,121
Totals	4,462	95,867	319,802,914	31,246,094	794,885,369	1,474,156,242

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954

MONTREAL METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Biscuits	9	2,421	4,999,730	338,523	13,659,721	26,021,157
Bread and other bakery products	157	5,247	13,625,758	1,361,648	20,420,325	43,976,827
Breweries	5	2,495	9,684,410	728,549	14,331,576	49,869,650
Butter and cheese	11	1,963	5,955,543	544,603	17,767,171	27,658,092
Carbonated beverages	28	1,180	3,581,795	356,364	5,520,905	23,131,968
Confectionery	38	2,373	5,781,631	290,492	18,517,939	33,458,709
Dairy products, other	4	151	442,399	67,656	1,376,589	2,878,593
Feeds, stock and poultry prepared	12	568	1,731,743	142,792	24,007,076	30,026,554
Flour mills	3	626	2,391,734	163,993	26,157,000	30,623,542
Fruit and vegetable preparations	37	1,077	2,525,620	187,403	9,349,529	14,941,946
Miscellaneous food preparations	71	2,688	7,785,647	641,169	65,531,685	96,928,614
Sausage and sausage casings	18	330	831,027	63,252	3,665,472	5,627,402
Slaughtering and meat packing	24	3,221	11,384,625	526,785	103,450,663	128,595,277
All other industries ¹	19	4,128	13,083,209	1,535,588	69,814,419	113,827,943
Totals	436	28,468	83,804,871	6,948,817	393,570,070	626,666,274
Tobacco and tobacco products.....						
Totals	19	5,203	17,327,998	260,974	55,838,707	106,412,687
Rubber products:						
Totals	12	2,256	7,962,028	293,928	8,361,461	20,326,540
Leather products:						
Belting, leather	6	75	218,932	10,894	282,944	619,258
Boot and shoe findings, leather	11	173	451,363	14,877	849,654	1,626,607
Footwear, leather	71	6,386	13,665,075	189,384	18,012,029	38,183,899
Gloves and mittens, leather	18	405	836,485	13,617	1,083,611	2,439,521
Leather tanneries	3	81	220,567	14,609	291,584	734,216
Miscellaneous leather goods	93	2,085	4,180,625	79,880	5,072,448	11,421,792
Totals	202	9,205	19,573,047	323,261	25,592,270	55,030,293
Textile mills:						
Awnings tents and sails	18	337	820,309	28,016	1,449,979	2,658,136
Bags, cotton and jute	12	390	861,368	35,840	7,253,813	8,759,751
Cotton yarn and cloth	6	2,414	7,309,921	404,976	8,515,222	15,595,785
Dyeing and finishing of textiles	26	776	1,998,617	259,453	1,326,028	4,311,851
Embroideries, pleatings, hemstitching, etc.	102	1,430	2,971,266	48,714	2,328,515	7,276,946
Miscellaneous cotton goods	7	215	581,814	61,915	1,800,660	2,832,006
Miscellaneous textile products	80	2,079	4,804,449	162,504	14,179,511	24,644,447
Narrow fabrics	22	521	1,276,006	55,322	1,856,423	4,427,987
Oilcloth, linoleum and other coated fabrics	10	1,563	5,680,555	256,495	9,722,126	20,799,143
Woollen cloth	5	95	461,604	1,709	82,648	237,287
All other industries ²	23	2,261	7,723,294	110,305	6,366,694	11,768,577
Totals	311	12,081	34,489,203	1,425,249	54,881,519	103,311,916
Knitting mills:						
Hosiery	24	1,460	3,565,870	92,730	3,611,429	9,472,446
Other knitted goods	52	2,029	4,185,579	81,717	8,975,530	14,417,494
Totals	76	3,489	7,751,449	174,447	12,586,959	23,889,940
Clothing:						
Clothing, children's	106	4,521	8,245,806	133,513	17,483,906	31,459,541
Clothing contractors, men's	94	1,878	3,783,180	50,469	367,832	4,954,801
Clothing contractors, women's	75	1,276	2,219,743	32,323	98,752	2,953,717
Clothing men's factory	275	11,797	26,881,608	301,834	59,342,772	104,033,301
Clothing, women's factory	466	17,367	38,191,460	404,819	79,103,855	146,645,544
Corsets	14	583	1,138,245	10,677	1,530,048	4,495,842
Fur goods	246	2,422	6,625,461	118,575	20,321,909	30,528,837
Hats and caps	76	2,250	5,227,061	94,736	5,171,173	13,561,121
Oiled and waterproofed clothing	7	319	736,473	8,423	1,420,737	2,638,895
Miscellaneous clothing products	38	771	1,487,050	32,842	3,046,884	5,370,059
All other industries ³	6	605	1,768,488	40,752	730,771	3,678,888
Totals	1,401	43,789	96,304,575	1,228,963	182,618,639	350,369,546
Wood products:						
Boxes and baskets, wood	7	327	883,021	29,678	1,124,996	2,369,963
Coffins and caskets	3	69	181,202	6,921	270,868	475,266
Furniture	279	5,604	14,763,576	507,041	22,025,555	46,548,039
Leads, trees, and shoe findings	5	257	629,288	10,004	466,148	1,413,243
Miscellaneous wood products	30	409	1,311,086	31,722	1,254,102	2,493,134
Sash door and planing mills	77	891	2,236,563	154,839	5,558,476	9,588,657
All other industries ⁴	13	491	1,377,554	65,314	1,959,736	4,273,499
Totals	414	8,048	21,382,290	805,519	32,659,881	67,161,801

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1954—Continued**
MONTREAL METROPOLITAN AREA—Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Paper products:						
Boxes and bags, paper	35	3,189	8,841,518	299,675	23,388,090	40,242,740
Miscellaneous paper goods	43	1,048	2,924,981	82,488	8,289,969	14,578,798
All other industries ⁵	7	2,413	10,355,546	502,635	6,807,205	14,710,997
Totals	85	6,650	22,122,045	884,798	38,485,264	69,532,537
Printing, publishing and allied industries:						
Engraving, electrotyping and stereotyping	36	857	3,561,128	72,055	1,221,505	6,698,010
Lithographing	15	774	2,778,788	43,400	4,237,794	9,005,776
Printing and bookbinding	377	5,338	16,163,353	341,427	13,233,805	38,656,015
Printing and publishing	26	4,818	18,055,011	276,217	15,125,528	47,835,664
Publishing (only) of periodicals	258	2,194	5,673,213	—	9,968,044	24,580,129
Trade composition	11	289	1,170,515	13,876	132,224	1,816,740
Totals	723	14,270	47,402,008	746,975	43,918,900	128,592,334
Iron and steel products:						
Boilers and plate work	13	1,194	4,301,156	189,800	4,180,729	11,910,112
Bridge building and structural steel	10	3,089	12,088,765	384,251	20,353,615	45,554,057
Castings, iron	11	1,937	6,801,001	435,345	9,494,170	20,271,513
Hardware, tools and cutlery	59	2,167	6,155,172	269,381	6,912,473	21,170,091
Heating and cooking apparatus	11	878	2,828,539	126,468	5,825,180	10,984,701
Machinery, household, office and store	19	757	2,355,528	58,583	2,758,493	6,053,198
Machinery, industrial	31	5,412	19,746,690	617,975	17,955,788	51,073,976
Machine shops	66	884	2,737,187	104,273	1,498,830	5,449,077
Miscellaneous iron and steel products	60	974	3,063,412	106,041	3,434,168	7,431,626
Primary iron and steel	5	2,331	8,929,407	1,240,846	10,483,593	29,987,826
Sheet metal products	61	4,620	15,234,258	397,694	26,914,657	52,799,791
Wire and wire goods	27	2,487	8,337,493	488,764	15,821,093	28,251,534
Totals	373	26,730	92,578,608	4,419,421	125,632,789	290,937,502
Transportation equipment:						
Boat building	5	23	45,782	1,602	39,264	104,601
Motor vehicle parts	17	291	863,445	68,244	1,069,112	2,501,788
Railway rolling stock	7	13,480	43,989,870	2,101,524	78,412,297	124,186,770
Other industries ⁶	31	15,602	60,022,735	1,253,321	58,857,733	139,420,603
Totals	60	29,396	104,921,832	3,424,691	138,378,406	266,213,762
Non-ferrous metal products:						
Totals	146	6,244	20,665,925	1,764,343	137,358,621	174,800,446
Electrical apparatus and supplies:						
Machinery heavy electrical	11	996	3,082,245	71,307	3,189,932	7,022,197
Miscellaneous electrical apparatus and supplies ⁷	34	11,452	41,666,411	805,276	44,991,788	105,268,606
Radios, television sets and parts	20	4,250	16,497,742	193,056	20,637,545	49,929,594
Refrigerators, vacuum cleaners and appliances ...	12	1,194	3,977,149	269,803	8,878,564	18,081,744
Totals	77	17,892	65,223,547	1,339,442	77,697,829	180,302,141
Non-metallic mineral products:						
Concrete products	47	1,307	3,815,749	549,966	6,996,053	17,621,854
Glass and glass products	25	2,428	7,988,115	1,750,389	7,338,187	19,488,942
Miscellaneous non-metallic mineral products	10	101	364,352	56,301	672,219	1,525,328
Stone products	12	196	528,683	40,717	558,089	1,476,005
All other industries ⁸	11	1,853	6,387,548	3,714,851	9,032,579	31,236,252
Totals	105	5,885	19,084,447	6,112,224	24,597,127	71,348,381
Products of petroleum and coal⁹						
Totals	11	3,783	14,921,089	11,890,712	203,356,447	328,710,152
Chemicals and allied products:						
Acids, alkalies and salts	6	675	3,263,844	579,040	4,769,003	7,546,976
Adhesives	9	144	396,076	47,073	1,903,517	3,898,514
Gases, compressed	7	249	811,453	111,855	547,597	3,815,570
Inks	9	109	314,132	14,959	594,486	1,516,200
Medicinal and pharmaceutical preparations	77	3,079	9,551,223	344,088	12,841,333	40,380,779
Miscellaneous chemical products	49	1,214	5,119,962	162,751	4,393,757	10,144,636
Paints, varnishes and lacquers	29	1,982	7,206,701	234,383	16,434,400	35,227,308
Polishes and dressings	13	214	588,700	26,693	1,774,941	2,988,480
Soaps, washing compounds and cleaning preparations	33	455	1,271,006	99,348	2,743,274	6,161,299
Toilet preparations	31	722	1,932,950	42,212	4,238,922	11,874,320
All other industries ¹⁰	8	824	3,574,687	243,377	10,462,964	14,494,864
Totals	271	9,667	34,030,734	1,905,779	60,704,194	138,048,946

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 - Continued

MONTREAL METROPOLITAN AREA—Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Miscellaneous manufacturing industries:						
Artificial flowers and feathers.....	26	341	634,343	18,421	728,357	1,799,536
Brooms, brushes and mops.....	22	352	665,855	21,936	1,167,272	2,203,407
Buttons, buckles and fasteners.....	29	655	1,375,050	44,592	2,101,455	4,376,651
Clocks, watches and watch cases.....	17	141	424,278	9,068	1,184,677	1,932,536
Fountain pens and pencils.....	5	288	577,072	12,087	1,139,932	2,501,321
Hair goods.....	6	29	67,337	1,620	239,690	340,099
Ice, artificial.....	8	62	197,445	85,498	22,757	678,810
Lamps electric and lamp shades.....	32	570	1,078,536	28,333	2,123,756	4,254,491
Models and patterns (excluding paper).....	9	63	216,237	7,401	81,165	350,390
Other miscellaneous industries.....	9	277	732,009	21,955	3,808,386	2,512,392
Plastic products.....	27	563	1,579,906	83,079	3,864,896	7,709,240
Scientific and professional equipment.....	26	1,555	5,760,071	83,497	5,572,959	13,233,396
Signs electric, neon and others.....	37	526	1,603,407	69,065	1,053,787	3,624,450
Sporting goods.....	10	143	320,259	12,070	436,216	957,940
Stamps and stencils, rubber and metal.....	11	98	287,384	8,194	151,948	591,571
Statuary, art goods, regalia and novelties.....	31	274	587,674	17,072	401,227	1,314,531
All other industries ¹¹	23	818	2,048,514	99,170	2,280,945	6,337,032
Totals.....	328	6,755	18,155,377	623,058	23,359,425	54,717,793
Grand Totals, Metropolitan Montreal.....	5,050	239,811	727,701,073	44,572,601	1,645,598,508	3,056,372,991

1. Includes: Animal oils and fats, 1; cheese processed, 4; distilled liquors, 4; feed mills, 1; foods, breakfast, 2; macaroni and kindred products, 4; sugar refining, 2; wines, 1.

2. Includes: Automobile accessories, fabric, 3; cordage, rope and twine, 1; cotton thread, 9; woollen goods, 4; synthetic textiles and silk, 3; woollen yarn, 3.

3. Includes: Fur dressing and dyeing, 5; gloves and mittens, fabric, 1;

4. Includes: Cooperage, 3; excelsior, 1; flooring, hardwood, 2; sawmills, 1; veneers and plywoods, 1; woodenware, 3; wood turning, 2.

5. Includes: Pulp and paper mills, 3; roofing paper, 4.

6. Includes: Aircraft and parts, 22; bicycles and parts, 2; carriages, wagons and sleighs, 1; motor vehicles, 2; shipbuilding, 4.

7. Includes also: Batteries, 2.

8. Includes: Abrasive products, 1; asbestos products, 2; cement hydraulic, 1; clay products from domestic clay 1; clay products with imported clay, 3; gypsum products, 2; sand-lime brick, 1.

9. Includes: Coke and gas products, 2; miscellaneous products of petroleum and coal, 2; petroleum products, 7.

10. Includes: Coal tar distillation, 2; fertilizers, 2; primary plastics, 2; vegetable oils, 2.

11. Includes: Candles, 7; musical instruments, 2; pipes, lighters and smokers supplies, 4; toys and games, 6; typewriter supplies 2; umbrellas, 2.

The following Municipalities are included in Greater Montreal

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Dorval.....	5	56	152,683	3,923	340,146	623,698
L'Abord-A-Plouffe.....	8	101	211,267	9,926	208,393	553,283
Lachine.....	71	9,112	31,894,809	1,270,756	40,111,542	101,302,080
Lasalle.....	41	4,750	15,943,516	3,040,349	53,474,149	104,868,993
Laval-des-Rapides.....	6	114	244,099	20,896	334,452	804,334
Longueuil.....	35	3,167	9,656,189	459,337	13,875,739	28,409,806
Montreal (city proper).....	4,415	184,684	539,119,575	19,030,786	1,050,160,663	1,987,217,589
Montreal East.....	34	6,085	23,596,652	15,282,101	326,626,632	481,431,866
Montreal North.....	12	117	307,776	17,757	480,173	1,126,733
Montreal West.....	5	26	57,092	3,808	88,882	183,210
Mont-Royal.....	27	3,781	12,787,916	382,069	31,309,225	57,060,217
Outremont.....	49	2,124	5,886,044	180,367	10,544,858	23,365,193
Pointe-aux-Trembles.....	11	158	377,038	29,359	936,628	1,777,895
Point-Viau.....	8	189	360,655	29,741	616,432	1,183,831
St. Laurent.....	56	13,407	50,363,616	1,498,528	56,580,028	134,972,266
St. Lambert.....	19	798	2,125,557	89,593	3,478,395	7,346,914
St. Michel.....	55	641	1,548,782	110,821	2,276,616	5,005,965
Verdun.....	74	1,824	4,146,205	138,426	8,194,628	16,375,749
Westmount.....	31	2,039	5,907,487	406,239	6,297,619	17,421,163
All other ¹	88	6,638	23,014,115	2,567,819	39,663,308	85,342,206
Totals, Metropolitan Montreal.....	5,050	239,811	727,701,073	44,572,601	1,645,598,508	3,056,372,991

1. Includes: Baie-d'Urfé; Beaconsfield; Côte-St-Luc; Greenfield Park; Jacques Cartier; Le Moine; Mackayville; Montreal South; Pointe-Claire; Ste-Anne-de-Bellevue; Ste-Geneviève-de-Pierrefonds; St-Léonard-de-Port-Maurice; St-Pierre; parishes of, Asile-St-Jean-de-Dieu; Dollard-des-Ormeaux; Ile-aux-Soeurs; La Présentation-de-la-Ste-Vierge; Notre-Dame-de-Liesse; Ste-Anne-du-Bout-de-l'Ile; Ste-Geneviève Parish; St-Joachim-de-la-Pointe-Claire; St-Joseph-de-la-Rivière-des-Prairies; St-Léonard-de-Port-Maurice Parish; St-Raphael-de-l'Ile-Bizard.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued

TORONTO METROPOLITAN AREA

Industry	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	■	\$	\$
Foods and beverages:						
Biscuits	5	1,271	3,314,256	340,434	7,326,405	17,961,241
Bread and other bakery products	205	6,068	17,077,716	1,490,407	24,432,614	53,009,544
Butter and cheese	6	1,744	6,079,190	481,613	14,420,548	24,650,212
Carbonated beverages	20	1,150	3,314,894	280,253	4,016,095	17,368,247
Cheese process	4	196	495,604	27,759	4,175,816	5,628,353
Confectionery	36	3,258	7,618,954	450,425	23,488,162	41,966,080
Dairy products, other	6	32	244,598	39,675	708,688	1,338,747
Feed mills	4	15	27,040	5,726	244,233	269,973
Feeds, stock and poultry prepared	11	562	1,882,809	161,013	17,928,149	22,392,134
Miscellaneous food preparations	70	2,712	8,085,638	679,771	49,517,960	71,534,024
Sausage and sausage casings	17	223	604,697	43,932	2,701,252	3,877,007
Slaughtering and meat packing	19	5,322	19,656,335	1,302,224	165,112,164	208,248,672
Wines	4	109	478,729	14,544	612,148	2,965,504
All other industries ¹	41	3,400	13,069,791	854,309	41,382,725	87,336,739
Totals	448	26,122	81,950,251	6,172,085	356,064,959	558,546,477
Tobacco and tobacco products:						
Tobacco, cigars and cigarettes	4	84	179,841	8,949	266,129	663,641
Totals	4	84	179,841	8,949	266,129	663,641
Rubber products:						
Rubber goods, including footwear	11	5,968	21,296,633	1,465,114	39,071,134	91,213,654
Totals	11	5,968	21,296,633	1,465,114	39,071,134	91,213,654
Leather products:						
Footwear, leather	34	1,405	3,221,681	45,665	3,694,928	8,450,112
Gloves and mittens, leather	4	32	54,625	2,255	52,593	144,608
Leather tanneries	4	564	1,812,236	173,437	4,031,834	7,221,615
Miscellaneous leather goods	61	1,176	2,671,960	59,645	3,203,277	7,002,056
All other industries ²	4	103	283,806	6,757	581,923	1,020,716
Totals	107	3,280	8,044,308	287,759	11,564,555	23,839,107
Textile mills:						
Automobile accessories, fabric	6	36	86,610	4,017	209,854	344,738
Awnings, tents and sails	23	318	701,363	25,788	1,766,504	2,943,154
Bags, cotton and jute	5	124	281,536	14,829	1,781,771	2,245,910
Dyeing and finishing of textiles	11	250	745,592	48,229	260,960	1,462,346
Embroideries, pleatings, hemstitching, etc.	36	321	722,125	21,731	484,842	1,613,531
Miscellaneous textile products	51	1,296	3,459,676	74,207	8,029,358	13,017,687
Miscellaneous woollen goods	13	408	1,408,256	78,735	6,659,358	8,976,859
Narrow fabrics	11	151	352,317	11,014	540,849	1,187,544
Woollen cloth	5	249	693,614	55,997	1,562,345	2,701,440
Woollen yarn	7	703	1,774,183	112,334	4,274,893	6,798,522
All other industries ³	18	1,226	3,829,526	297,597	7,899,000	15,686,046
Totals	186	5,082	14,024,798	744,478	33,469,268	56,977,777
Knitting mills:						
Hosiery	14	626	2,040,983	36,355	1,705,660	4,163,840
Other knitted goods	36	1,826	4,356,037	122,402	8,935,369	16,317,525
Totals	50	2,452	6,397,020	158,757	10,641,029	20,481,365
Clothing:						
Clothing, children's	36	977	1,971,749	30,874	2,910,453	6,144,769
Clothing, contractors, men's	16	188	412,859	7,475	91,531	598,474
Clothing contractors, women's	13	98	185,009	4,626	82,592	318,960
Clothing, men's factory	113	7,054	16,730,532	191,938	24,345,704	49,209,956
Clothing, women's factory	241	6,022	15,182,764	179,794	21,209,408	43,383,274
Corsets	14	1,083	2,309,893	21,372	3,322,970	6,563,904
Fur dressing and dyeing	4	218	542,567	21,662	160,294	921,972
Fur goods	169	1,371	4,146,518	101,484	10,215,168	16,812,851
Hats and caps	57	1,122	2,616,615	56,608	2,580,539	6,440,257
Miscellaneous clothing products	21	408	906,476	31,580	1,640,319	3,242,141
Oiled and waterproofed clothing	4	143	307,623	5,881	556,343	1,080,470
Totals	688	18,684	45,312,605	653,294	67,115,321	134,717,028
Wood products:						
Boxes and baskets, wood	8	328	901,596	22,983	1,091,204	2,708,683
Flooring, hardwood	3	215	754,379	31,261	1,393,640	2,528,312
Furniture	298	4,661	13,429,055	428,904	24,902,911	47,322,023
Miscellaneous wood products	42	432	1,457,661	49,403	1,726,984	3,993,745
Sash, door and planing mills	71	1,073	3,233,096	193,093	7,065,888	12,670,391
Wood turning	5	14	26,276	1,641	21,111	73,653
All other industries ⁴	12	221	643,693	21,224	678,257	1,546,905
Totals	439	7,044	20,445,756	748,509	36,879,975	70,843,712

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 - Continued

TORONTO METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Paper products:						
Boxes and bags paper	52	3,886	12,630,117	356,399	31,426,253	53,086,708
Miscellaneous paper goods ⁵	70	3,481	10,763,836	461,164	22,970,297	44,625,083
Pulp and paper mills	7	1,412	7,565,679	1,240,851	10,162,328	20,996,613
Totals	129	8,779	30,959,632	2,058,414	64,558,878	118,708,404
Printing publishing and allied industries:						
Engraving stereotyping and electrotyping	48	2,073	9,124,728	157,909	3,626,046	16,005,351
Lithographing	33	1,698	6,232,421	103,590	8,350,410	19,094,648
Printing and bookbinding	396	8,576	27,876,112	549,039	28,898,036	77,871,372
Printing and publishing	50	7,110	29,082,821	561,804	24,807,198	76,109,969
Publishing (only) of periodicals	307	1,171	2,785,818		7,318,245	14,335,375
Trade composition	19	463	1,964,922	29,669	173,296	2,811,268
Totals	853	21,091	77,066,822	1,402,011	72,973,231	206,227,983
Iron and steel products:						
Boilers and plate work	19	3,488	14,382,623	461,802	18,019,749	39,740,290
Bridge building and structural steel	8	1,828	7,456,512	212,974	9,735,546	25,100,716
Castings, iron	13	1,073	3,894,964	195,814	5,031,025	12,801,431
Hardware, tools and cutlery	105	2,674	9,415,698	387,830	9,628,824	26,490,683
Heating and cooking apparatus	29	2,875	9,842,868	385,002	18,242,093	39,121,889
Machine shops	81	849	2,703,377	105,140	1,449,041	5,660,555
Machinery, household, office and store	25	3,399	12,293,739	279,874	19,834,858	46,212,478
Machinery, industrial ⁶	70	8,017	29,347,498	779,049	42,966,137	84,160,131
Miscellaneous iron and steel products	77	3,567	12,393,828	632,379	10,228,021	33,348,488
Sheet metal products	77	5,178	18,155,906	694,511	31,145,402	64,768,267
Wire and wire goods	27	389	1,224,693	76,707	3,318,343	5,141,588
Totals	531	33,337	121,111,706	4,211,082	169,599,039	382,546,516
Transportation equipment:						
Motor vehicle parts	30	2,605	8,761,636	381,955	11,222,202	27,202,936
Railway rolling stock	4	1,180	3,962,753	128,666	3,499,317	8,267,712
All other industries ⁷	13	3,855	13,313,658	393,630	12,208,285	32,128,420
Totals	47	7,640	26,038,047	904,251	26,929,804	67,599,068
Non-ferrous metal products:						
Aluminum products	33	1,642	5,499,530	339,856	4,417,540	13,225,222
Brass and copper products	36	2,289	8,828,584	654,652	27,182,113	43,716,144
Jewellery and silverware	79	1,990	5,490,801	176,354	14,381,314	22,960,880
Miscellaneous non-ferrous metal products	5	241	4,660,770	49,279	1,890,291	3,200,480
White metal alloys	13	1,466	915,974	397,484	15,363,413	24,145,663
Totals	166	7,628	25,395,659	1,617,625	63,234,671	107,248,389
Electrical apparatus and supplies:						
Batteries	6	1,365	5,000,057	262,511	13,764,208	24,995,374
Machinery, heavy, electrical	26	5,771	21,912,180	407,216	21,578,939	53,794,745
Miscellaneous electrical apparatus and supplies	61	5,975	21,406,399	808,069	40,963,702	86,419,022
Radio's, television sets and parts	45	7,732	23,415,713	443,435	50,487,251	87,300,492
Refrigerators, vacuum cleaners and appliances	35	3,269	10,924,294	765,642	21,570,809	53,784,271
Totals	173	24,118	82,658,643	2,686,873	148,364,909	306,293,904
Non-metallic mineral products:						
Clay products from domestic clay	9	643	2,521,515	793,023	230,238	6,171,112
Clay products from imported clay	5	71	200,679	27,164	427,350	1,212,361
Concrete products	49	1,050	3,690,965	455,319	10,785,098	21,255,214
Glass and glass products	40	1,304	4,467,159	638,471	4,121,066	10,276,339
Miscellaneous non-metallic mineral products	11	80	320,592	13,363	893,482	1,009,368
Sand-lime brick	3	108	367,100	52,264	391,621	1,541,484
Stone products	22	512	1,857,662	168,384	1,743,092	5,165,063
All other industries ⁸	3	136	592,964	6,176	109,259	218,021
Totals	142	3,904	14,018,636	2,154,164	18,701,206	47,748,962
Products of petroleum and coal:⁹						
Totals	12	3,068	12,027,382	715,183	10,975,179	26,971,080

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued

TORONTO METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Chemicals and allied products:						
Acids, alkalis and salts	4	359	1,582,610	215,999	2,324,105	4,677,468
Adhesives	10	293	1,017,945	181,703	2,456,288	5,057,764
Gases, compressed	6	379	1,275,564	79,002	478,851	2,795,876
Inks	19	830	2,779,599	96,547	4,450,769	11,642,127
Medicinal and pharmaceutical preparations	56	2,082	6,017,170	189,291	8,599,307	24,574,946
Miscellaneous chemical preparations	65	712	2,365,227	292,601	6,928,174	14,791,035
Paints, varnishes and lacquers	41	2,134	7,309,931	346,499	23,490,112	44,785,906
Polishes and dressings	18	258	753,661	33,429	2,162,866	4,734,044
Soaps, washing compounds and cleaning pre- parations	36	2,411	9,086,063	775,286	24,345,860	53,203,116
Toilet preparations	35	865	2,224,311	35,716	4,799,799	13,309,630
All other industries ¹⁰	12	705	2,749,543	750,951	36,435,030	46,189,253
Totals	302	11,028	37,161,624	2,997,024	116,481,161	225,761,165
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	10	94	186,775	6,280	120,970	438,105
Brooms, brushes and mops	12	397	1,038,720	23,875	1,700,123	3,331,690
Buckles, buttons and fasteners	6	194	486,154	11,238	657,070	1,240,310
Clocks, watches and watch cases	12	289	834,366	10,009	3,169,182	5,394,256
Fountain pens and pencils	6	433	1,345,752	26,827	1,441,892	4,281,907
Ice, artificial	12	197	553,884	141,439	29,683	1,219,299
Lamps, electric, and lamp shades	23	608	1,301,346	57,273	2,056,674	4,473,062
Models and patterns (excluding paper)	17	106	380,221	9,499	81,450	595,899
Musical instruments	10	415	1,087,059	49,689	1,363,098	2,777,029
Other miscellaneous industries	15	342	1,034,723	26,503	1,087,757	3,617,525
Plastic products	44	1,516	3,826,658	129,601	5,651,335	11,694,971
Scientific and professional equipment	50	3,622	12,513,297	332,787	12,823,176	34,951,828
Signs, electric, neon and other	55	612	1,831,715	75,404	1,621,082	4,435,760
Sporting goods	15	560	1,561,015	47,765	2,149,114	4,767,685
Stamps and stencils, rubber and metal	13	277	843,193	23,200	403,472	1,543,481
Statuary, art goods, regalia and novelties	39	413	1,002,232	31,697	834,142	2,426,818
Toys and games	21	747	1,692,629	38,335	3,072,785	5,938,525
Typewriter supplies	6	322	989,601	26,665	1,825,312	3,870,224
Umbrellas	3	67	144,911	500	270,589	569,764
All other industries ¹¹	10	196	593,593	18,003	1,257,560	2,327,025
Totals	379	11,407	33,247,844	1,086,589	41,616,466	99,895,163
Grand Totals, Metropolitan Toronto	4,667	200,716	657,337,207	30,072,161	1,288,506,914	2,546,283,395

1. Includes: Animal oils and fats, 4; breweries, 4; distilled liquors, 3; flour mills, 1; foods, breakfast, 2; fruit and vegetable preparations, 24; macaroni and kindred products, 3.

2. Includes: Belting, leather, 1; boot and shoe findings, leather, 3.

3. Includes: Carpets, mats and rugs, 5; cordage, rope and twine, 2; cotton, thread, 3; cotton yarn and cloth, 2; miscellaneous cotton goods, 3; oilcloth, linoleum and other coated fabrics, 2; synthetic textiles and silk, 1.

4. Includes: Coffins and caskets, 2; cooperage, 1; excelsior, 1; lasts, trees and shoe findings, 1; sawmills, 4; woodenware, 3.

5. Includes: also: roofing paper, 2.

6. Includes: Agricultural implements, 1; machine tools, 1.

7. Includes: Aircraft and parts, 4; bicycles and parts, 2; boatbuilding, 2; carriages, wagons and sleighs, 2; motor vehicles, 2; shipbuilding, 1.

8. Includes: Abrasive products, 1; asbestos products, 2; gypsum products—one head office.

9. Includes: Coke and gas products, 1; miscellaneous products of petroleum and coal, 6; petroleum products, 5.

10. Includes: Coal tar distillation, 2; fertilizers, 3; primary plastics, 4; vegetable oils, 3.

11. Includes: Candles, 1; hair goods, 6; pipes, lighters and smokers supplies, 3.

The following Municipalities are included in Greater Toronto

Metropolitan Area of Toronto	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Toronto-city proper	3,728	145,792	470,046,860	19,883,670	945,614,031	1,810,860,959
New Toronto	53	7,404	28,166,296	2,168,414	83,698,483	159,746,248
Leaside	56	11,188	35,988,734	1,852,796	73,557,687	151,494,055
Weston	73	3,560	11,649,583	617,505	20,040,124	43,825,708
Long Branch	29	2,232	7,315,034	279,059	11,214,532	27,232,866
Swansea	14	687	2,266,524	248,318	4,127,102	8,893,230
Mimico	36	698	2,196,612	130,484	3,665,590	7,954,246
Forest Hill	7	27	50,012	3,418	85,359	181,052
York Township	287	13,605	48,513,571	1,558,772	64,647,507	154,298,862
York East Township	51	3,516	12,175,974	716,876	18,075,299	40,977,137
York North Township	52	1,265	4,028,779	334,929	9,046,027	18,605,264
Etobicoke Township	133	5,797	19,058,956	1,226,235	29,003,802	69,862,742
Scarboro Township	148	4,945	15,880,472	1,051,685	25,731,371	52,351,026
Totals, Metropolitan Toronto	4,667	200,716	657,337,207	30,072,161	1,288,506,914	2,546,283,395

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued

HAMILTON METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Biscuits.....	3	116	265,221	32,248	429,692	1,133,090
Bread and other bakery products.....	53	1,294	3,468,154	288,004	3,775,761	8,805,199
Carbonated beverages.....	12	172	462,768	64,367	685,340	2,144,728
Confectionery.....	10	252	609,509	31,991	1,300,538	3,566,727
Feed mills.....	6	24	59,241	9,299	396,193	496,912
Feeds, stock and poultry, prepared.....	6	25	48,520	6,591	195,612	311,275
Fruit and vegetable preparations.....	18	1,219	2,417,514	171,621	8,178,153	12,061,879
Miscellaneous food preparations.....	10	336	720,886	24,443	2,790,051	4,968,227
Slaughtering and meat packing.....	5	703	2,267,245	235,474	28,873,833	35,568,983
All other industries ¹	10	416	1,446,570	108,674	3,107,402	5,062,035
Totals	133	4,557	11,765,628	972,712	49,732,575	74,119,055
Leather products²:						
Totals	6	301	707,608	9,037	1,006,689	2,014,051
Textile mills:						
Awnings, tents and sails.....	6	71	172,317	6,984	149,489	431,323
Cotton yarn and cloth.....	6	2,172	5,210,086	347,441	9,852,223	17,630,315
Miscellaneous textile products.....	4	24	39,777	1,550	91,573	154,684
All other industries ³	11	687	1,872,337	111,482	3,903,234	7,853,306
Totals	27	2,954	7,294,517	467,457	13,996,519	26,069,628
Knitting mills:						
Hosiery.....	3	700	1,820,038	79,850	1,202,315	5,120,807
Other knitted goods.....	7	1,646	3,337,891	131,271	4,977,572	9,459,890
Totals	10	2,346	5,157,929	211,121	6,179,887	14,580,697
Clothing:						
Clothing, men's factory.....	9	891	1,893,359	33,929	3,047,671	5,857,466
Fur goods.....	5	26	54,315	1,179	101,242	231,949
All other industries ⁴	4	65	122,981	2,012	143,684	347,728
Totals	18	982	2,070,655	37,120	3,292,597	6,437,143
Wood products:						
Boxes and baskets, wood.....	4	106	243,558	6,844	314,774	718,950
Furniture.....	29	288	858,927	37,803	638,403	1,830,349
Miscellaneous wood products.....	4	18	44,654	15,298	51,595	141,301
Sash, door and planing mills.....	12	404	1,301,105	100,708	2,444,500	4,247,353
All other industries ⁵	7	147	351,667	11,880	597,092	1,260,490
Totals	56	963	2,799,911	172,533	4,046,364	8,198,443
Paper products:						
Boxes and bags, paper.....	12	863	2,795,991	119,684	8,844,659	14,480,902
Miscellaneous paper goods ⁶	10	892	2,631,775	118,353	7,081,955	12,450,110
Totals	22	1,755	5,427,766	238,037	15,926,614	26,931,012
Printing, publishing and allied industries:						
Engraving, electrotyping and stereotyping.....	6	147	707,407	10,632	168,195	1,157,098
Printing and bookbinding.....	53	576	1,962,914	54,402	3,097,474	6,247,050
Publishing (only) of periodicals.....	15	232	80,921	—	184,251	308,791
All other industries ⁷	12	692	2,384,413	52,078	2,344,011	7,669,530
Totals	86	1,647	5,135,655	117,112	5,793,931	15,382,469
Iron and steel products:						
Castings, iron.....	8	462	1,492,402	108,495	3,246,209	6,072,357
Hardware, tools and cutlery.....	21	661	2,304,625	102,505	1,875,636	5,436,211
Machine shops.....	14	148	492,980	15,360	470,085	1,347,561
Machinery, household, office and store.....	3	213	676,632	22,686	1,636,838	2,572,304
Machinery, industrial.....	10	1,307	5,353,831	197,439	7,498,531	17,112,630
Miscellaneous iron and steel products.....	14	139	422,165	19,427	625,700	1,332,714
Primary iron and steel.....	6	11,456	45,934,371	11,389,980	73,557,110	196,449,997
Sheet metal products.....	22	1,480	5,315,359	202,576	8,186,427	15,031,678
Wire and wire goods.....	17	2,596	9,889,398	603,311	17,550,012	35,769,201
All other industries ⁸	11	3,193	11,239,864	551,014	12,992,881	27,816,660
Totals	126	21,655	83,121,627	13,212,793	127,639,429	308,941,313
Transportation equipment:⁹						
Totals	8	2,402	9,323,348	640,447	25,765,969	49,925,274
Non-ferrous metal products:						
Aluminum products.....	4	103	282,450	14,612	298,832	766,917
Brass and copper products.....	9	457	1,735,805	101,358	3,683,090	6,389,267
Jewellery and silverware.....	5	121	346,301	8,298	381,071	840,474
All other industries ¹⁰	4	224	869,461	102,422	1,686,810	3,318,554
Totals	22	905	3,234,017	226,690	6,049,803	11,315,212

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 - Continued

HAMILTON METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Electrical apparatus and supplies ¹¹ :						
Totals	22	9,274	36,103,482	936,343	25,919,639	84,475,095
Non-metallic mineral products:						
Clay products from domestic clay	7	197	589,751	206,959	12,490	1,528,872
Clay products from imported clay	4	488	1,571,819	167,253	868,467	3,261,156
Concrete products	19	325	979,793	141,223	1,298,952	3,956,597
Stone products	5	161	495,576	39,713	517,536	1,502,894
All other industries ¹²	14	1,193	3,936,581	888,792	4,765,476	13,627,511
Totals	49	2,364	7,573,520	1,443,940	7,462,921	23,877,030
Products of petroleum and coal ¹³ :						
Totals	7	832	2,970,718	1,378,808	19,488,957	35,785,229
Chemicals and allied products:						
Miscellaneous chemical products	12	232	909,463	59,401	3,789,804	6,107,408
Polishes and dressings	5	58	165,654	8,420	339,644	797,354
All other industries ¹⁴	21	1,038	4,048,317	474,062	21,866,765	44,140,192
Totals	38	1,328	5,123,434	541,883	25,996,213	51,044,954
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	8	295	821,779	21,157	1,163,250	2,725,114
Scientific and professional equipment	3	8	19,802	816	9,591	34,720
Signs, electric, Neon and others	7	68	184,333	9,242	142,362	396,626
Sporting goods	3	20	48,230	1,030	36,800	104,806
Toys and games	5	116	256,168	9,673	689,437	1,166,366
All other industries ¹⁵	17	231	611,236	30,176	535,635	1,417,206
Totals	43	738	1,941,548	72,094	2,577,075	5,844,838
All other major groups:						
Totals	6	2,068	7,406,890	397,326	17,415,056	38,749,047
Grand Totals Metropolitan Hamilton	679	57,071	197,158,253	21,075,453	358,290,238	783,692,490

1. Includes: Animal oils and fats, 1; breweries, 1; butter and cheese, 2; flour mills, 1; macaroni and kindred products, 1; sausages and sausage casings, 4.
2. Includes: Footwear, leather, 4; belting, leather, 1; miscellaneous leather goods, 1;
3. Includes: Bags, cotton and jute, 1; carpets, mats and rugs, 1; cordage, rope and twine, 1; cotton thread, 1; dyeing and finishing of textiles, 1; embroideries, pleating and hemstitching, 2; miscellaneous woollen goods, 2; narrow fabrics, 1; woollen yarn, 1.
4. Includes: Clothing, women's factory, 1; corsets, 1; hats and caps, 2.
5. Includes: Coffins and caskets, 2; cooperage, 1; flooring, hardwood, 1; lasts, trees and shoe findings, 1; sawmills, 1; woodturning, 1.
6. Includes also: roofing paper, 2.
7. Includes: Lithographing, 2; printing and publishing, 8; trade composition, 2.
8. Includes: Agricultural implements, 1; boilers and slate work, 3; bridge building and structural steel, 1; heating and cooking apparatus, 3; machine tools, 3.
9. Includes: Boatbuilding, 1; motor vehicles, 1; motor vehicle parts, 2; railway rolling stock, 4.
10. Includes: Miscellaneous non-ferrous metal products, 1; white metal alloys, 3.
11. Includes: Batteries, 2; machinery, heavy, electrical, 3; miscellaneous electrical apparatus and supplies, 8; radios, television sets and parts, 4; refrigerators, vacuum cleaners and appliances, 5.
12. Includes: Abrasive products, 3; asbestos products, 3; glass and glass products, 6; miscellaneous non-metallic mineral products, 2.
13. Includes: Coke and gas products, 4; miscellaneous products of petroleum and coal, 2; petroleum products, 1.
14. Includes: Acids, alkalies and salts, 1; coal tar distillation, 1; fertilizers, 1; gases, compressed, 1; medicinal and pharmaceutical preparations, 3; paints, varnishes and lacquers, 3; soaps, washing compounds and cleaning preparations, 7; toilet preparations, 3; vegetable oils, 1.
15. Includes: Buttons, buckles and fasteners, 1; ice, artificial, 3; models and patterns (excluding paper), 4; lamps electric and lamp shades, 1; plastic products, 3; stamps and stencils, rubber and metal, 5.

The Following Municipalities are Included in Greater Hamilton

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Burlington	24	847	2,609,169	133,853	7,033,514	11,793,302
Dundas	37	1,296	3,911,932	253,863	4,766,742	10,675,707
Hamilton	580	54,199	189,099,943	20,470,777	341,555,746	752,353,730
Waterdown	6	41	67,195	6,112	201,029	309,744
Barton Township	7	49	113,987	10,311	243,296	440,818
All other ¹	25	639	1,356,027	200,537	4,489,911	8,117,189
Totals Metropolitan Hamilton	679	57,071	197,158,253	21,075,453	358,290,238	783,690,490

1. Includes: Burlington Beach; Stoney Creek; Ancaster Township; Flamborough East Township; Flamborough West Township; Nelson Township; Salt Fleet Township.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued

WINDSOR METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Bread and other bakery products	22	479	1,346,377	151,133	1,688,780	3,789,550
Butter and cheese	4	408	1,465,242	119,910	3,116,882	5,687,839
Carbonated beverages	6	104	295,404	41,722	546,833	1,466,959
Miscellaneous food preparations	6	23	38,726	3,830	146,585	274,791
Sausages and sausage casings	3	24	47,604	2,460	200,932	324,988
All other industries ¹	20	1,798	6,065,804	526,574	21,034,201	50,699,477
Totals	61	2,836	9,259,157	845,629	26,734,213	62,243,604
Textile mills ²:						
Totals	10	679	2,101,694	77,249	3,703,428	7,192,152
Clothing ³:						
Totals	8	224	467,407	8,676	586,430	1,235,584
Wood products:						
Furniture	24	115	360,529	23,314	642,546	1,229,173
Sash, door and planing mills	14	78	166,950	15,342	185,276	423,790
All other industries ⁴	4	47	122,734	5,596	195,424	428,732
Totals	42	240	650,213	44,252	1,023,246	2,081,695
Printing publishing and allied industries:						
Printing and bookbinding	30	260	820,268	28,085	650,587	1,940,165
Publishing (only) of periodicals	9	5	7,631	—	47,570	62,815
All other industries ⁵	7	413	1,747,182	41,724	1,207,802	4,620,847
Totals	46	678	2,575,081	69,809	1,905,959	6,623,827
Iron and steel products:						
Hardware, tools and cutlery	32	824	3,289,517	96,913	1,897,252	7,265,025
Machine shops	5	105	262,099	7,930	93,251	373,199
Machinery, industrial	9	651	2,537,636	73,233	3,180,335	7,429,176
Miscellaneous iron and steel products	7	654	2,907,741	374,119	4,867,989	10,214,907
All other industries ⁶	28	3,608	13,784,645	741,332	16,863,887	39,952,923
Totals	81	5,842	22,781,638	1,293,527	26,902,714	65,235,230
Transportation equipment ⁷:						
Totals	28	17,715	67,695,249	2,692,749	193,157,843	300,863,286
Non-ferrous metal products:						
Brass and copper products	5	162	503,695	16,489	646,334	1,688,103
All other industries ⁸	7	47	146,444	5,057	397,843	668,515
Totals	12	209	650,139	21,546	1,044,177	2,356,618
Electrical apparatus and supplies ⁹:						
Totals	6	100	357,618	18,563	486,689	1,052,389
Non-metallic mineral products:						
Concrete products	9	251	935,340	130,732	2,117,191	3,571,802
All industries ¹⁰	7	422	1,598,470	283,346	2,469,523	6,438,160
Totals	16	673	2,533,810	414,078	4,586,714	10,009,962

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1934 — Continued

WINDSOR METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Chemical and allied products:						
Medicinal and pharmaceutical preparations	10	906	3,323,266	75,525	4,178,918	15,535,911
Miscellaneous chemical products	8	39	144,992	9,930	256,923	810,632
Toilet preparations	5	24	34,324	1,026	35,708	79,156
Soaps, washing compounds and cleaning prepara- tions	4	18	47,690	4,240	99,582	180,143
All other industries ¹¹	7	279	944,356	187,928	1,590,674	3,464,456
Totals	34	1,266	4,494,628	278,649	6,161,805	20,070,298
Miscellaneous manufacturing industries:						
Models and patterns (excluding paper)	4	53	164,886	3,911	35,573	246,316
Signs, electric, neon and other	4	27	97,527	8,836	50,888	218,901
Sporting goods	7	48	138,063	5,295	220,564	511,207
All other industries ¹²	18	263	754,921	80,567	982,827	2,730,328
Totals	33	391	1,155,397	98,609	1,289,852	3,706,752
Other major groups ¹³ :						
Totals	4	116	354,257	14,519	901,540	1,485,610
Grand Totals, Metropolitan Windsor	381	30,969	115,076,288	5,877,855	268,484,610	484,157,007

1. Includes: Breweries, 3; confectionery, 2; dairy products, other, 1; distilled liquors, 1; feed mills, 1; feeds, stock and poultry, prepared, 3; foods, breakfast, 1; fruit and vegetable preparations, 5; slaughtering and meat packing, 3.

2. Includes: Automobile accessories, fabric, 2; awnings, tents and sails, 3; bags, cotton and jute, 2; miscellaneous cotton goods, 1; miscellaneous textile products, 2.

3. Includes: Clothing, children's factory, 1; clothing, men's factory, 2; fur goods, 3; gloves and mittens, fabric, 1; oiled and waterproofed clothing, 1.

4. Includes: Boxes and baskets, wood, 1; miscellaneous wood products, 2; woodturning, 1.

5. Includes: Engraving, electrotyping and stereotyping, 2; lithographing, 1; printing and publishing, 2; trade composition, 2.

6. Includes: Agricultural implements, 1; bridge building and structural steel, 2; castings, iron, 7; heating and cooking apparatus, 2; machine tools, 2; machinery, household, office and store, 2; primary iron and steel, 1; sheet metal products, 9; wire and wiregoods, 2.

7. Includes: Boatbuilding, 1; motor vehicles, 2; motor vehicle parts, 25.

8. Includes: Aluminum products, 2; jewellery and silverware, 3; miscellaneous non-ferrous metal products, 1; white metal alloys, 1.

9. Includes: Batteries, 1; machinery heavy electrical, 2; miscellaneous electrical apparatus and supplies, 1; radios, television sets and parts, 1; refrigerators, vacuum cleaners and appliances, 1.

10. Includes: Glass and glass products, 3; miscellaneous non-metallic mineral products, 2; salt, 1; stone products, 1.

11. Includes: Acids, alkalies and salts, 1; gases, compressed, 1; paints, varnishes and lacquers, 5.

12. Includes: Brooms, brushes and mops, 1; buttons, buckles and fasteners, 1; ice, artificial, 3; clocks, watches and watch cases, 1; musical instruments, 1; pipes, lighters and smokers supplies, 1; plastic products, 4; scientific and professional equipment, 2; stamps and stencils, rubber and metal, 2; statuary, art goods, regalia and novelties, 1; toys and games, 1.

13. Includes: Rubber products, 2; paper products — boxes and bags, paper, 1; miscellaneous paper goods, 1.

The Following Municipalities are Includes in Greater Windsor

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Riverside	7	125	395,759	41,843	780,807	1,555,773
Windsor	353	30,210	112,816,841	5,718,287	263,143,564	474,634,211
Sandwich East Township	3	10	19,913	1,986	68,355	108,100
Sandwich South Township	4	18	23,718	3,742	79,448	126,662
All other ¹	14	606	1,820,057	111,997	4,412,436	7,732,261
Totals, Metropolitan Windsor	381	30,969	115,076,288	5,877,855	268,484,610	484,157,007

1. Includes: La Salle; Ojibway; St-Clair Beach; Tecumseh.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued

WINNIPEG METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Bread and other bakery products	56	1, 107	2, 973, 269	312, 699	4, 304, 448	9, 561, 040
Breweries	6	567	2, 093, 182	149, 152	1, 887, 554	10, 061, 840
Butter and cheese	9	830	2, 466, 774	282, 106	8, 556, 296	13, 350, 528
Carbonated beverages	10	272	795, 969	109, 099	1, 362, 269	5, 013, 714
Confectionery	11	303	576, 445	35, 107	1, 540, 053	2, 836, 856
Feed mills	5	14	27, 490	6, 397	220, 521	268, 777
Feeds, stock and poultry, prepared	19	200	530, 596	86, 916	6, 392, 433	7, 820, 042
Flour mills	4	568	1, 512, 844	171, 644	19, 924, 649	22, 309, 782
Fruit and vegetable preparations	8	174	363, 197	28, 351	1, 169, 866	1, 883, 608
Miscellaneous food preparations	22	649	1, 950, 353	289, 308	13, 030, 604	18, 312, 627
Sausage and sausage casings	8	130	422, 155	29, 273	1, 803, 605	2, 330, 012
Slaughtering and meat packing	12	2, 903	9, 942, 601	525, 375	85, 026, 961	108, 910, 522
All other industries ¹	10	644	1, 828, 743	347, 010	6, 135, 283	10, 625, 084
Totals	180	8, 361	25, 483, 618	2, 372, 437	151, 354, 542	213, 284, 432
Leather products:						
Footwear, leather	7	301	614, 055	11, 003	1, 269, 670	2, 207, 932
Gloves and mittens, leather	9	211	377, 998	6, 875	537, 579	1, 183, 384
Miscellaneous leather goods ²	10	177	383, 319	19, 893	735, 149	1, 436, 170
Totals	26	689	1, 375, 372	37, 771	2, 542, 398	4, 827, 486
Textile mills:						
Awnings, tents and sails	6	56	101, 394	4, 675	344, 588	484, 149
Bags, cotton and jute	5	230	578, 590	20, 283	5, 353, 522	6, 355, 009
Embroideries, pleating, hemstitching, etc.	5	28	52, 629	2, 037	32, 201	114, 038
Miscellaneous textile products	12	84	145, 217	5, 815	372, 896	630, 630
All other industries ³	5	54	116, 357	3, 933	177, 765	373, 820
Totals	33	452	994, 187	36, 743	6, 280, 972	7, 957, 646
Knitting mills and clothing:						
Clothing, children's factory	7	298	542, 270	12, 164	911, 881	1, 965, 030
Clothing, men's factory	47	2, 347	4, 632, 273	77, 958	10, 857, 737	18, 592, 842
Clothing, women's factory	28	1, 611	3, 755, 057	47, 695	7, 306, 485	12, 626, 905
Fur dressing and dyeing	4	176	411, 427	12, 216	96, 123	790, 287
Fur goods	52	555	1, 514, 910	26, 412	2, 711, 346	4, 798, 821
Hats and caps	13	341	664, 521	11, 483	721, 396	1, 774, 330
All other industries ⁴	6	110	196, 855	6, 511	457, 933	838, 123
Totals	157	5, 438	11, 717, 313	194, 439	23, 062, 901	41, 386, 338
Wood products:						
Boxes and baskets, wood	4	114	245, 407	14, 577	353, 552	755, 062
Furniture	105	1, 663	4, 349, 487	154, 948	8, 049, 859	14, 835, 019
Sash, door and planing mills	17	442	1, 164, 517	48, 828	1, 754, 615	3, 341, 844
All other industries ⁵	10	148	387, 028	26, 389	979, 249	1, 659, 559
Totals	136	2, 367	6, 146, 439	244, 742	11, 137, 275	20, 591, 484

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued**
WINNIPEG METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Paper products:						
Boxes and bags, paper	8	559	1,771,553	67,859	5,708,951	8,916,976
Miscellaneous paper goods	7	147	344,050	15,521	1,211,131	2,096,274
All other industries ⁶	6	225	636,248	143,454	1,610,809	3,809,721
Totals	21	931	2,751,851	226,834	8,530,891	14,822,971
Printing, publishing and allied industries:						
Printing and bookbinding	72	1,358	3,937,448	80,892	3,933,855	10,434,771
Printing and publishing	26	1,557	4,687,002	92,120	4,181,829	12,974,180
Publishing (only) of periodicals	82	190	254,512	—	754,804	1,237,476
All other industries ⁷	10	401	1,313,213	18,800	463,226	2,249,172
Totals	190	3,506	10,192,175	191,812	9,333,714	26,895,599
Iron and steel products:						
Agricultural implements	12	361	1,172,733	69,414	1,970,418	4,304,499
Heating and cooling apparatus	3	80	278,179	14,012	597,952	1,370,245
Machine shops	28	275	865,754	29,106	552,247	1,877,492
Machinery, industrial	8	330	1,088,015	34,821	786,574	2,580,772
Miscellaneous iron and steel products	8	594	2,033,248	87,886	2,323,766	5,590,419
Sheet metal products	22	871	2,741,032	96,364	4,815,169	9,123,960
All other industries ⁸	15	1,458	5,087,068	161,265	8,399,238	23,087,863
Totals	96	3,969	13,266,029	492,868	19,445,364	47,935,250
Transportation equipment:						
Boatbuilding	3	11	23,359	1,698	34,011	95,192
Motor vehicle parts	11	244	687,648	24,355	955,051	2,288,018
Railway rolling stock	4	4,959	15,914,826	479,146	14,309,171	31,370,155
All other industries	3	1,286	2,950,142	101,164	3,357,781	9,208,649
Totals	21	6,500	19,575,975	606,363	18,656,014	42,962,014
Non-ferrous metal products:						
Brass and copper products	5	136	439,228	40,271	1,346,780	2,290,569
White metal alloys	3	78	213,916	29,620	1,112,039	1,512,688
All other industries ⁹	5	36	79,070	3,219	118,861	342,761
Totals	13	250	732,214	73,110	2,577,680	4,146,018
Electrical apparatus and supplies:						
Miscellaneous electrical apparatus and supplies ..	7	147	375,769	18,158	985,119	1,688,939
All other industries ¹⁰	10	710	1,917,047	60,287	3,361,577	7,273,449
Totals	17	857	2,292,816	78,445	4,346,696	8,962,388
Non-metallic mineral products and products of petroleum and coal:						
Glass and glass products	4	27	63,880	7,238	59,692	173,753
Stone products	6	51	119,572	8,410	97,425	287,267
All other industries ¹¹	16	1,086	3,517,069	1,570,279	24,416,719	40,254,762
Totals	26	1,164	3,700,521	1,585,927	24,573,836	40,715,782

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued**
WINNIPEG METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Chemicals and allied products:						
Gases, compressed	3	79	245,855	19,070	156,089	904,769
Medicinal and pharmaceutical preparations	9	126	304,246	11,473	537,326	1,564,954
Miscellaneous chemical products	6	63	178,395	13,388	272,434	583,210
Paints, varnishes and lacquers	5	251	681,451	29,228	2,477,334	4,214,870
Soaps, washing compounds and cleaning prepara- tions	7	48	105,004	10,119	511,405	928,397
All other industries ¹²	9	74	203,249	34,670	1,028,877	1,537,944
Totals	39	641	1,718,200	117,948	4,983,465	9,734,144
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	5	98	231,166	7,657	421,089	760,664
Scientific and professional equipment	9	51	108,162	4,747	87,861	271,234
Signs, electric, Neon and other	6	148	472,373	37,337	198,243	1,250,323
Stamps and stencils, rubber and metal	6	19	51,750	523	10,868	70,541
Statuary, art goods, regalia and novelties	7	104	186,880	4,758	112,641	437,847
All other industries ¹³	17	208	379,395	27,343	1,334,025	2,215,712
Totals	50	628	1,429,726	82,365	2,164,727	5,006,321
Grand Totals, Metropolitan Winnipeg	1,005	35,753	101,376,436	6,341,804	288,990,475	489,227,873

1. Includes: Animal oils and fats, 2; biscuits, 2; cheese process, 1; foods, breakfast, 2; macaroni and kindred products, 2; sugar refining, 1.
2. Includes also: Leather tanneries, 1.
3. Includes: Automobile accessories, fabric, 2; carpets, mats and rugs, 2; narrow fabrics, 1.
4. Includes: Clothing, contractors, women's, 1; miscellaneous clothing products, 2; other knitted goods, 3.
5. Includes: Coffins and caskets, 2; excelsior, 1; miscellaneous wood products, 7.
6. Includes: Pulp and paper, 2; roofing paper, 4.
7. Includes: Engraving, electrotyping and stereotyping, 6; lithographing, 2; trade composition, 2.
8. Includes: Boilers and plate work, 2; bridge building and structural steel, 2; castings, iron 5; hardware, tools and cutlery, 2; machinery, household, office and store, 1; primary iron and steel, 1; wire and wire goods, 2.
9. Includes: Aluminum products, 1; jewellery and silverware, 3; miscellaneous non-ferrous metal products, 1.
10. Includes: Batteries, 2; machinery, heavy, electrical, 2; radios, television sets and parts, 1; refrigerators, vacuum cleaners and appliances, 5.
11. Includes: Clay products from domestic clay, 1; concrete products, 2; gypsum products, 2; lime, 2; miscellaneous non-metallic mineral products, 3; also: coke and gas products, 1; miscellaneous products of petroleum and coal, 1; petroleum products, 4.
12. Includes: Adhesives, 1; coal tar distillation, 2; inks, 2; toilet preparations, 2; vegetable oils, 2.
13. Includes: Artificial flowers and feathers, 1; clocks, watches and watch cases, 2; hair goods, 1; ice artificial, 1; lamps, electric and lamp shades, 2; models and patterns (excluding paper), 2; plastic products, 6; sporting goods, 1; toys and games, 1.

The Following Municipalities are Included in Greater Winnipeg

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
St. Boniface	88	4,454	13,951,294	1,192,185	102,825,268	135,250,729
Winnipeg	864	26,887	74,628,593	3,503,403	150,352,336	288,602,394
Kildonan East and North Municipalities	13	318	1,212,123	809,221	16,234,512	26,226,231
All other ¹	40	4,094	11,584,426	836,995	19,578,359	39,148,519
Totals, Metropolitan Winnipeg	1,005	35,753	101,376,436	6,341,804	288,990,475	489,227,873

1. Includes: Transcona; Tuxedo; St. Vital Municipality; Fort Garry Municipality; Kildonan North Municipality; Kildonan West Municipality; St. James Municipality; Charleswood Municipality; Assiniboia Municipality.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued**

VANCOUVER METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Bread and other bakery products	128	1,506	4,594,795	353,611	6,912,210	14,274,992
Breweries	3	384	1,599,583	124,307	2,180,337	10,823,945
Butter and cheese	12	1,396	4,598,294	424,566	10,915,439	18,375,186
Carbonated beverages	8	204	622,626	82,157	864,070	3,362,475
Confectionery	21	226	452,834	26,152	749,693	1,656,283
Dairy products, other	4	100	291,149	49,032	1,029,991	1,785,137
Foods, stock and poultry, prepared	9	447	1,381,086	130,424	8,384,382	11,487,138
Fish processing	48	1,834	5,318,663	388,803	24,281,170	38,552,804
Foods, breakfast	3	15	25,621	2,183	61,675	104,387
Fruit and vegetable preparations	25	953	2,147,176	137,540	8,871,334	14,876,307
Miscellaneous food preparations	39	838	2,323,093	124,992	36,548,632	43,646,805
Sausage and sausage casings	8	122	399,386	23,063	1,311,262	2,372,403
Slaughtering and meat packing	9	1,395	5,122,299	292,081	44,245,715	53,566,954
All other industries ¹	12	1,239	3,979,010	491,104	14,227,859	25,113,851
Totals	329	10,659	32,855,615	2,650,015	160,583,769	239,998,667
Leather products:						
Footwear, leather	8	242	546,024	13,426	931,011	1,560,785
Gloves and mittens, leather	4	69	155,821	2,512	186,047	466,677
All other industries ²	7	165	357,338	16,332	591,954	1,253,826
Totals	19	476	1,059,183	32,270	1,709,012	3,281,288
Textile mills:						
Awnings, tents and sails	7	118	294,049	7,706	485,939	1,063,575
Miscellaneous cotton goods	3	11	102,955	3,094	141,040	202,560
Miscellaneous textiles	6	49	29,904	4,067	412,801	630,636
All other industries ³	18	396	1,060,414	79,952	3,590,814	5,220,769
Totals	34	574	1,487,322	94,819	4,630,594	7,117,540
Clothing and knitting mills:						
Clothing, men's factory	21	552	1,131,868	24,100	2,105,186	3,853,945
Clothing, women's factory	23	697	1,574,304	20,453	2,455,887	4,823,248
Fur goods	21	90	176,525	7,468	188,964	505,688
All other industries ⁴	6	246	535,722	11,195	800,996	1,926,983
Totals	71	1,585	3,418,419	63,216	5,551,033	11,109,864
Wood products:						
Boxes and baskets, wood	11	59	144,601	9,158	221,107	463,328
Coffins and caskets	4	76	177,633	4,800	325,877	619,651
Furniture	155	1,855	5,061,556	160,208	7,985,820	15,752,523
Miscellaneous wood products	34	509	1,534,392	111,586	4,192,106	6,851,140
Sash, door and planing mills	69	1,037	3,355,037	173,887	6,753,490	12,091,536
Sawmills	118	10,390	37,469,961	1,334,090	73,444,798	139,409,964
Veneers and plywoods	8	2,978	10,066,116	354,633	16,691,539	38,892,656
Woodenware	4	80	209,854	7,356	267,945	522,512
All other industries ⁵	7	102	355,135	16,550	846,082	1,410,904
Totals	410	17,086	58,374,285	2,172,268	110,728,764	216,014,214
Paper products:						
Boxes and bags, paper	15	805	2,454,417	84,531	9,119,047	14,482,917
Miscellaneous paper goods	12	605	1,740,240	76,303	7,891,763	12,808,775
All other industries ⁶	5	1,058	5,602,481	840,085	7,176,772	12,509,875
Totals	32	2,468	9,797,138	1,000,919	24,187,582	39,801,567

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1954 — Continued
VANCOUVER METROPOLITAN AREA — Continued**

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	£
Printing publishing and allied industries:						
Engraving, electrotyping and stereotyping	10	118	522,376	13,570	117,289	861,543
Lithographing	10	235	928,313	20,384	1,031,467	2,429,025
Printing and bookbinding	107	1,056	3,352,051	88,016	2,290,944	7,016,338
Printing and publishing	23	1,873	7,501,455	101,487	4,953,548	17,861,256
Publishing (only) of periodicals	112	377	617,922	—	1,460,921	3,196,062
Trade composition	4	30	103,279	4,117	8,431	122,691
Totals	266	3,689	13,025,396	227,574	9,862,600	31,486,915
Iron and steel products:						
Boilers and platework	11	473	2,258,488	103,765	2,869,244	6,632,820
Castings, iron	14	419	1,509,976	59,054	908,997	3,235,219
Hardware, tools and cutlery	17	525	1,205,834	72,981	2,388,298	5,390,681
Heating and cooking apparatus	9	239	730,587	23,655	1,020,837	2,042,076
Machine shops	48	454	1,709,247	62,144	998,070	3,398,547
Machinery, industrial	37	1,425	5,089,353	192,088	3,514,172	12,626,800
Miscellaneous iron and steel products	31	276	1,004,311	88,601	1,679,865	3,995,403
Primary iron and steel	6	389	1,466,446	308,621	1,419,080	4,620,898
Sheet metal products	29	927	3,536,278	180,041	10,725,876	16,820,969
Wire and wire goods	13	304	1,034,741	48,308	2,673,752	5,486,930
All other industries	7	1,216	5,215,988	224,979	9,106,257	19,798,196
Totals	222	6,647	24,761,249	1,364,237	37,304,448	84,048,539
Transportation equipment:						
Boat building	39	179	505,412	15,215	377,755	1,077,776
Motor vehicle parts	15	216	730,406	32,453	901,542	2,131,352
Shipbuilding	17	1,938	7,678,988	207,089	2,739,729	17,881,869
All other industries	4	295	1,019,653	49,097	1,478,432	3,275,808
Totals	75	2,626	9,934,459	303,854	5,497,458	24,366,805
Non-ferrous metal products:						
Aluminum products	6	86	266,431	18,659	309,960	759,047
Brass and copper products	13	194	723,931	40,253	652,778	1,801,666
Jewellery and silverware	11	73	195,653	4,019	270,642	644,161
All other industries ⁷	4	86	277,051	20,729	868,058	1,287,202
Totals	34	439	1,463,066	83,660	2,101,438	4,492,076
Electrical apparatus and supplies:						
Miscellaneous electrical apparatus and supplies ..	12	181	584,659	26,821	2,532,682	4,140,823
Radios, television sets and parts	10	147	390,668	16,385	560,119	1,264,044
Refrigerators, vacuum cleaners and appliances	3	38	116,552	3,021	149,209	503,494
All other industries ⁸	7	237	937,275	27,123	1,331,496	2,783,988
Totals	32	603	2,029,154	73,350	4,573,506	8,692,349
Non-metallic mineral products:						
Concrete products	18	413	1,514,146	158,521	2,571,838	5,326,551
Glass and glass products	8	65	167,607	6,396	151,960	371,016
Miscellaneous non-metallic mineral products	3	30	65,039	10,285	96,116	228,908
Stone products	5	92	267,760	39,002	302,275	911,083
All other industries	10	194	631,682	194,519	1,264,953	3,428,978
Totals	44	794	2,646,234	408,723	4,387,142	10,266,536
Products of petroleum and coal:						
Totals	3	859	3,408,241	1,331,460	27,673,934	46,219,082

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1954 - Concluded

VANCOUVER METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Chemicals and allied products:						
Fertilizers	3	36	123,148	6,208	551,258	647,402
Gases compressed	3	99	330,371	39,386	230,599	1,437,849
Medicinal and pharmaceutical preparations	6	32	80,749	3,631	127,686	304,021
Miscellaneous chemical preparations	16	62	175,222	11,266	407,793	813,665
Paints, varnishes and lacquers	10	231	759,832	43,015	2,131,346	3,948,900
Polishes and dressings	3	6	10,870	500	6,390	22,453
Soaps, washing compounds and cleaning preparations	13	85	241,582	15,381	358,249	995,306
Toilet preparations	4	6	6,950	922	10,380	29,063
All other industries ⁹	10	156	553,295	79,332	6,500,647	8,679,791
Totals	68	713	2,282,019	199,641	10,324,348	16,878,450
Miscellaneous manufacturing industries:						
Ice, artificial	6	50	161,506	46,381	13,494	367,139
Models and patterns (excluding paper)	5	23	102,197	1,311	18,561	140,373
Plastic products	9	55	118,003	4,900	240,813	436,438
Scientific and professional equipment	9	23	57,268	2,666	20,833	112,680
Signs, electric, neon and other	13	385	1,537,543	36,438	939,635	3,062,892
Sporting goods	8	59	128,484	6,647	177,903	403,751
Stamps and stencils, rubber and metal	7	49	140,888	5,306	81,036	303,171
Statuary, art goods, regalia and novelties	8	16	25,660	3,646	10,557	48,216
All other industries ¹⁰	20	206	500,466	12,471	628,705	1,348,285
Totals	85	866	2,772,015	119,766	2,131,537	6,222,945
All other major groups:						
Totals¹¹	5	45	130,881	17,070	61,029	280,254
Grand Totals, Metropolitan Vancouver	1,729	50,129	169,444,676	10,142,842	411,308,194	750,277,091

1. Includes: Animal oils and fats, 2; biscuits, 2; distilled liquors, 2; flour mills, 1; macaroni and kindred products, 3; sugar refining, 1; wines, 1.
2. Includes: Leather tanneries, 2; miscellaneous leather goods, 5.
3. Includes: Automobile accessories, fabric, 1; bags, cotton and jute, 2; cordage, rope and twine, 3; cotton yarn and cloth, 1; embroideries, 1; pleating, hemstitching, etc., 4; miscellaneous woollen goods, 2; oilcloth linoleum and other coated fabrics, 2; woollen cloth, 3.
4. Includes: Hats and caps, 1; hosiery, 1; miscellaneous clothing, 2; other knitted goods, 2.
5. Includes: Beekeepers' and poultrymen's supplies, 1; cooperage, 2; flooring, hardwood, 1; woodturning, 3.
6. Includes: Pulp and paper mills, 3; roofing paper 2.
7. Includes: White metal alloys, 3; miscellaneous non-ferrous metal products, 1.
8. Includes: Batteries, 5; machinery heavy, electrical, 2.
9. Includes: Acids, alkalies and salts, 1; adhesives, 3; coal tar distillation, 1; inks, 2; primary plastics, 2; vegetable oils, 1.
10. Includes: Brooms, brushes and mops, 5; candles, 1; fountain pens and pencils, 1; hair goods, 2; lamps, electric and lampshades, 4; musical instruments, 1; toys and games, 1; typewriter supplies, 1; umbrellas, 3; other miscellaneous industries, 1.
11. Includes: Tobacco and tobacco products, 1; rubber products, 4.

The Following Municipalities are included in Greater Vancouver

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
New Westminster	134	6,320	20,927,096	1,445,044	59,214,311	110,596,100
North Vancouver	57	2,268	8,428,264	336,913	10,096,670	27,665,258
Port Coquitlan	7	48	148,929	22,805	143,969	280,596
Port Moody	7	536	1,893,630	10,836	3,583,029	7,186,376
Vancouver	1,335	33,916	114,114,199	6,104,757	273,058,336	486,913,181
Burnaby District	58	2,109	7,770,180	883,500	23,470,234	42,253,568
North Vancouver District	18	468	1,747,655	125,949	3,491,809	6,818,391
Richmond District	55	2,343	7,581,780	1,066,534	26,870,483	43,754,072
All other ¹	58	2,121	6,832,943	146,504	11,379,353	24,809,549
Totals, Metropolitan Vancouver	1,729	50,129	169,444,676	10,142,842	411,308,194	750,277,091

1. Includes: Fraser Mills Municipality; Surrey District Municipality; University Endowment Area; West Vancouver District Municipality; Indian Reservation.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1954

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 38,028 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of two of the larger groups. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by manufacturer, would have been included in the values of commodities appearing on the list. However, the products not specified total only about 2.0 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 6.7 per cent and in transportation equipment 7.0 per cent. With the exception of these groups, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

It should be noted that a shipment's concept instead of the value of production concept was adopted in 1952. The new concept was applied to a large number of industries where it was known that inventory changes from year to year was only of a minor nature. The new concept was extended to other industries in 1954 and it is hoped to convert all industries to the shipment's concept by 1955. The alphabetical list of products for 1954, therefore, refers to commodities shipped and not to the value of commodities produced.

Alphabetical List of Commodities, 1954

Note: In 1952 and subsequent years the basis of collection, is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked* are still on a production basis.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Abrasive cloth	—	—	1
Abrasive paper	—	—	1
Abrasive wheels and segments	—	—	4,422,413
Abrasives, not specified	—	—	1,106,026
Absorbent cotton	—	—	1
Accelerators, synthetic	—	—	1
Acetaldehyde	—	—	1
Acetate, normal prophyll	—	—	1
Acetic anhydride	—	—	1
Acetone	lb.	12,619,413	927,461
Acetylene in cylinders or pipe line	cu. ft.	287,357,263	6,039,737
Acid, acetic, glacial, 99½%	—	—	1
Acid, adipic	—	—	1
Acid, citric	—	—	1
Acid, cresylic	—	—	1
Acid, fatty, coconut, tallow, etc.	lb.	11,223,687	1,297,619
Acid, hydrochloric (Muriatic)	"	38,269,852	1,186,763
Acid, hydrofluosilicic	—	—	1
Acid, monochloro acetic	—	—	1
Acid, nitric	—	—	1
Acid, phosphoric	—	—	1
Acid, stearic	—	—	1
Acid, sulphuric:	—	—	1
Quantity made	lb.	1,876,913,877	—
Quantity shipped	"	1,646,673,639	9,719,703
Acids, not specified	"	2,310,096	195,208
Adhesives, n.e.s.	—	—	2,569,256
Advertising matter, printed, n.e.s.	—	—	44,313,535
Advertising novelties and displays (see "Displays" and "Novelties")	—	—	—
Agitators, mining and metallurgical	—	—	1
Agricultural implements and parts, n.e.s.	—	—	17,087,972
Air conditioning equipment n.e.s.	—	—	3,273,186
Aircraft and parts:	—	—	—
Aircraft completed during the year	—	—	186,934,184
Aircraft being built but no completed	—	—	35,723,548
Aircraft repairs (Value of Work done)	—	—	31,072,029
Aircraft parts manufactured	—	—	65,375,143
Value of work done on developing aircraft and engines, (including other products n.e.s.)	—	—	113,918,299
Value of work done in 1953 on aircraft completed in 1954	—	—	78,072,084
Albumen, (Included in "Egg substitute")	—	—	—
Alcohol, butyl	—	—	1
Alcohol, industrial, (produced)	pf. gal.	6,531,837	2,087,004
Alcohol, industrial, (sold)			
Denatured:	—	—	—
Antifreeze	st. gal.	270,265	324,002
Perfume manufacturing	" "	258,065	258,471
Rubbing alcohol	" "	158,901	130,897
Solvents and cleaning fluids	" "	1,499,967	1,201,629
Other, including that for hospitals research, etc.	" "	483,504	402,856
Not denatured:	pf. gal.	4,200,261	1,788,210
Alcohol, isopropyl	—	—	1
Alcohol, polyvinyl	—	—	1
Alkylate*	—	—	1
Alkylation feed stocks*	—	—	1
Alloys, cutting	—	—	1
Alloy, die casting	lb.	9,616,804	1,381,839
Almond paste	—	—	52,349
Alumina, fused (crude)	ton	180,661	18,883,589
Alumina, fused (abrasive grains)	—	199,857	—
Alumina, hydrate	—	—	1
Aluminum bars, rods and ingots	—	—	1
Aluminum fluoride	—	—	1
Aluminum sulphate	—	—	1
Aluminum products, not elsewhere specified	—	—	11,591,379
Ammonia, anhydrous	—	—	1
Ammonia, aqua	lb.	387,247	21,883
Ammonia, powder	"	1,474,497	134,991
Ammonium chloride	"	4,578,111	350,864
Ammonium nitrate (regular)	—	—	1
Ammonium nitrate (fertilizer grade)	—	—	1
Ammonium phosphate	2	—	2
Ammonium sulphate	2	—	2
Ammonium sulphate, other than milled, screened and bagged	2	—	2
Ammonium sulphate, milled, screened and bagged	ton	945	57,536
Ammunition (See "Munitions and war supplies")	—	—	—
Antibiotics, including penicillin and streptomycin, etc.	—	—	7,070,409
Anti-freeze preparations, glycol type	gal.	4,602,548	8,716,471
Anti-freeze, alcohol type (See "Alcohol, industrial, denatured, sold")	—	—	—
Apple butter	lb.	42,932	7,973
Apple juice (included in "Fruit juices")	—	—	—
Apple juice concentrate	—	—	1
Apple pomace, chop and waste	lb.	2,894,436	67,184
Apples, evaporated and dehydrated	"	848,457	282,846
Aprons, plastic, rubber, etc.	doz.	20,270	152,362
Aprons, fabric:	—	—	—
Children's	"	15,936	57,006
Men's and youths'	"	13,042	120,799
Women's and misses'	"	222,110	1,176,926
Not specified	"	13,975	110,525

1. Indicates the commodity was reported by one or two concerns.

2. Included in "Fertilizers, other than mixed"

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Archery tackle	—	—	111,530
Armlets and sleeve supporters	doz.	7,686	13,024
Artists' brushes (included in "Brushes, other, not specified")	—	—	—
Artware, pottery (See also "Pottery")	—	—	275,128
Art needlework	—	—	139,403
Art work (printing)	—	—	3,101,711
Asbestos products, including clutch facings	—	—	8,379,761
Asphalt*	Imp. gal.	204,590,182	24,072,550
Asphalt emulsion	—	—	1
Asphalt products, n.e.s.	—	—	2,101,144
Atomizers	—	—	1
Automobiles, commercial:			
5,000 lbs. or less:			
For sale in Canada	No.	30,818	39,805,074
For export	"	4,747	3,069,488
5,001 to 10,000 lbs:			
For sale in Canada	"	9,960	18,354,280
For export	"	889	615,420
10,001 to 14,000 lbs.:			
For sale in Canada	"	2,303	3,461,781
For export	"	1,355	1,069,480
14,001 to 16,000 lbs.:			
For sale in Canada	"	5,186	10,215,737
For export	"	3,130	2,332,051
16,001 to 19,500:			
For sale in Canada	"	7,223	17,369,825
For export	"	90	188,724
19,501 to 26,000 lbs.:			
For sale in Canada	"	3,273	16,790,561
For export	"	7	22,153
Over 26,000 lbs.:			
For sale in Canada	"	465	4,173,637
For export	"	8	145,515
Automobiles, passenger:			
Convertible cars:			
Soft top:			
For sale in Canada	"	1,469	3,215,420.
For export	"	1	2,168
Hard top:			
For sale in Canada	"	14,914	28,440,904
For export	"	151	223,849
Permanent closed cars:			
Coupe:			
For sale in Canada	"	7,105	10,225,223
For export	"	207	341,164
2 Door Sedan:			
For sale in Canada	"	58,831	84,125,236
For export	"	29	36,391
4 Door Sedan:			
For sale in Canada	"	178,634	286,523,466
For export	"	6,931	7,541,461
Station wagon type:			
For sale in Canada	"	6,497	11,134,646
For export	"	132	183,524
Chassis (sold without bodies)	"	12,290	4,826,988
Buses or coaches:			
Complete units:			
For sale in Canada	"	232	4,369,738
Chassis only	"	211	369,945
Automobile, bus and truck bodies and cabs	—	—	18,052,585
Automobile bumpers and bumperettes	—	—	6,066,673
Automobile cloth	sq. yd.	771,781	1,950,482
Automobile headlights and parts	—	—	3,001,491
Automobile parts and accessories, not specified	—	—	124,568,923
Awnings, aluminum	—	—	1,229,785
Awnings and verandah curtains, fabric	—	—	2,032,958
Axes and hatchets	No.	456,294	761,515
Axes and shafts, automobile	"	132,891	7,846,371
Axes, not specified	ton	13,391	2,237,896
Babies' high chair sets, commodes and other baby supplies	—	—	413,304
Babbitt metal	lb.	2,036,194	904,776
Badges (included under "Regalia")	—	—	—
Bags:			
Cosmetic, plastic	—	—	1
Cotton	No.	46,007,824	10,217,660
Jute	"	72,487,079	13,245,412
Garment, fabric	—	—	495,364
Garment, plastic	—	—	322,275
Hand, leather	No.	814,977	3,959,221
Hand, other	—	—	3,977,413
Hand, parts	—	—	271,422
Shopping, sports, etc., leather	No.	29,357	496,716
Shopping, sports, etc., fabric	"	188,657	378,856
Sleeping	"	36,075	730,000
Club bags, suit cases and other hand luggage	—	—	6,301,581
School bags	No.	420,668	782,090
Fabric bags, not specified	—	—	1,204,630
Fabric bags, repaired	—	—	1,525,598

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Bags, paper:			\$
Glassine and cellophane	—	—	7,900,645
Millinery, garment and laundry	—	—	1,470,869
Self-opening	—	—	7,439,265
Wedge, including notion and novelty bags	—	—	2,309,626
Paper, not specified, including multiwall	—	—	26,153,368
Bags, plastic (See also "Bags, cosmetic" and "Bags, garment")	—	—	2,898,963
Bags, rubber, air and steam	No.	14,304	296,559
Bale ties - Quantity made	ton	3,330	—
Quantity shipped	—	3,352	652,779
Balls, grinding	—	—	3,156,358
Ball and rod mills, grinding	—	—	1,041,729
Balloons	—	—	346,281
Balls, baseball	gr.	122,131	319,316
Balls, golf, complete	doz.	23,839	—
Balls, softball	—	—	1
Balls, other, including bladders	doz.	21,858	275,156
Barley, pot and pearl	—	—	688,893
Barn and stable equipment, not elsewhere specified	ton	1,800	229,556
Barrels, wooden:	—	—	2,031,811
Apple, etc.	No.	282,123	511,437
Fish, slack	"	45,618	70,128
Fish, tight	"	91,228	244,660
Flour, sugar etc.	"	47,446	89,893
Oil, vinegar, water	"	112,687	856,121
Whiskey, beer etc.	"	46,927	1,018,830
Barrels, steel	"	860,660	3,108,034
Barrels, repaired, etc.	—	—	686,456
Barrels, n.e.s.	—	—	30,444
Bars and ingots, aluminum (See "Aluminum bars, rods and ingots")	—	—	—
Bars and rods, brass and bronze	lb.	21,059,046	7,959,169
Bars, iron and steel:			
Hot rolled, of all grades:			
Quantity made	ton	371,432	—
Quantity shipped	"	296,515	39,921,689
Cold rolled and drawn:			
Quantity made	"	28,651	—
Quantity shipped	"	28,829	7,716,957
Not specified, shipped	"	167,120	19,856,006
Basket bottoms	M.	7,726	187,410
Baskets and crates, fruit and vegetable	—	—	2,795,872
Baskets, other, not specified	—	—	1,167,855
Bathing caps	doz.	24,494	1,112,106
Bathing shoes	—	—	1
Bathing suits	doz.	140,921	4,958,687
Bath mats and sets	—	—	579,083
Bathrobes, kimonos, lounging jackets etc.:			
Cotton:			
Women's and misses'	doz.	22,653	858,101
Children's	"	9,391	167,709
Rayon and silk:			
Women's and misses'	"	55,346	1,670,471
Men's and youths'	"	16,834	752,338
Children's	"	270	21,655
Wool and flannel:			
Women's and misses'	"	6,500	563,294
Men's and youths'	"	6,054	839,622
Children's	"	1,492	55,500
Not specified:			
Women's and misses'	"	9,910	672,248
Men's and youths'	"	4,574	250,589
Other	—	—	263,855
Bats, baseball	No.	118,464	73,110
Batteries:			
Storage, for automobiles and other internal combustion engines	"	1,790,756	16,805,610
Storage, for railway service (cells)	"	29,441	1,294,081
Storage, for farm lighting plants (cells)	"	22,582	238,939
Storage, for direct motive power (industrial trucks, mine locomotives, etc.)	"	2,460	1,434,969
Storage, for all other purposes	"	—	1,592,741
Dry cell, 6 in. batteries	No. of cells	1,999,714	995,352
Dry cell, radio, for portable sets	"	27,913,842	1,160,002
Dry cell, radio, non-portable sets	"	32,074,756	2,817,950
Dry cell, flashlight	"	24,835,404	2,342,411
Dry cell, hearing aid "A"	—	—	—
Dry cell, hearing aid "B"	—	—	511,362
Dry cell, all other	—	—	—
Parts and supplies for batteries	—	—	1,602,320
Battery containers, covers, etc.	—	—	2,685,938
Batts, wadding, and rolls including auto batts (See also "Flocks")	—	—	3,580,459
Bearings, ball, roller, pillow blocks, engine and other bearings, not specified	—	—	6,009,006
Beauty parlour equipment (see also "Hair dressing accessories")	—	—	912,613
Beds and couches:			
Beds, metal	No.	166,340	3,628,133
Studio couches, metal and other	"	72,345	4,749,890
Couches, other than studio, metal	"	19,288	189,975
Cots and bunks, metal	"	76,186	693,634
Cribs, metal	"	17,002	232,082
Beds, camp	"	1,168	10,100

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Bedspreads and bed sets:			
Cotton	No.	284,895	1,895,228
Silk, rayon and rayon mixtures	"	48,014	436,502
Not specified	"	4,997	49,331
Beef extract	—	—	1
Beekeepers' supplies, n.e.s.	—	—	128,374
Beer, ale, stout and porter (sales):			
Bottled and canned	gal.	153,931,683	263,326,073
Draught	"	46,527,626	54,399,672
Beer, spruce	"	129,240	112,992
Belting, wet and dried	ton	126,656	1,880,258
Belting, leather (transmission)	lb.	190,352	860,152
Belting, rubber	"	7,132,482	6,461,473
Belts, automobile, fan	No.	1,444,795	885,308
Belts, body, not specified	—	—	4,722,094
Belts, garter	doz.	65,132	590,411
Belts, rubber, other	No.	1,982,136	2,269,411
Belts and aprons, sanitary	—	—	193,855
Benzol	—	—	3,275,732
Bicycles	No.	71,530	2,365,689
Bicycle parts	—	—	403,367
Billiard and bowling supplies n.e.s.	—	—	1,684,421
Binders, loose-leaf and other	—	—	3,788,690
Binders, corn	No.	32	16,690
Binders, grain	"	320	163,082
Binding and stitching (trade work)	—	—	2,110,029
Bindings (see also "Tapes")			
Cotton	—	—	1,156,815
Rayon and rayon mixtures	—	—	343,693
Other	—	—	90,896
Bins and hoppers	No.	255	1,426,025
Biologicals and vaccines	—	—	4,820,692
Biscuits, plain and fancy	lb.	190,241,497	55,048,955
Biscuits, soda	"	46,661,043	11,021,367
Black, acetylene	—	—	1
Black (carbon black)	—	—	1
Blackboards, asbestos and other	—	—	99,744
Blankets:			
Cotton and cotton mixtures	dr.	1,652,310	—
All wool	lb.	6,169,607	6,605,817
Wool and cotton mixtures	pr.	317,053	—
Other	lb.	1,804,101	3,729,567
Slumber throws	pr.	56,805	—
Blankets, electric	lb.	296,787	349,121
Blankets and covers, horse	No.	54,515	2,170,071
Blankets, rubber, printers'	—	—	314,956
Bleaching compounds	—	—	1
Blinds, venetian (See "Shades and blinds")	—	—	—
Blood, animal, dried, edible	lb.	87,085	5,103
Blood, animal dried, inedible	"	3,941,406	216,397
Blooms, billets, slabs and sheet bars, (including, blanks)			
Quantity made	net ton	2,273,725	—
Quantity shipped	"	150,917	12,748,936
Bouses, women's, misses' and children's:			
Cotton, women's and misses'	doz.	294,374	5,995,734
Cotton, children's	"	82,452	992,714
Nylon, children's	"	38,463	669,525
Nylon, women's and misses'	"	134,164	3,832,357
Rayon, women's and misses'	"	61,628	1,754,337
Rayon, children's	"	9,342	173,353
Rayon mixtures, women's and misses'	"	109,704	2,716,641
Rayon mixtures, children's	"	7,235	148,270
Woollen, women's and misses'	"	40,974	1,383,538
Woollen, children's	"	1,999	48,192
Other, women's and misses'	"	70,302	1,982,269
Other, children's	"	3,340	29,448
Blow torches	No.	55,614	100,187
Blowers for domestic furnaces	—	—	1,192,187
Blue, laundry	No.	95	1
Boats, life and whale	"	501	115,746
Boats, motor	"	11,557	2,105,919
Boats, outboard motor	"	155	2,945,621
Boats, sail	"	12,338	83,332
Boats, other including row boats, skiffs, etc. (See also "Canoes")	—	—	1,605,857
Boiler compound	—	—	1
Boilers, heating, all types	No.	19,209	7,023,298
Boilers, power	—	—	9,274,683
Boilers, range and wash	—	—	3,309,985
Boilers, not specified	No.	39	71,159
Boiler and engine parts and accessories	—	—	2,897,617
Bologna and blood pudding	lb.	7,026,304	1,997,007
Bolts, nuts and rivets	—	—	14,599,372
Bone and meat meal and flour	lb.	19,285,674	873,858
Bone, raw, ground etc.	"	41,451,495	581,717
Book cloth, pyroxylin coated (included in "Fabrics, coated and impregnated")	—	—	—

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Books, printed and bound, chiefly for advertising	—	—	3,908,827
Books, printed and bound, not chiefly for advertising	—	—	15,069,358
Books and pads, drawing, exercise, scribblers, etc., not elsewhere specified	—	—	3,676,548
Books, ledger and account	—	—	1,562,954
Books, counter, check, sales, etc.	—	—	2,384,072
Books, blank, bound, not specified	—	—	1,632,882
Boron carbide	—	—	1
Bottles, paper, milk	—	—	1
Bottles, plastic	—	—	1
Bottles, thermos	—	—	1
Bowling supplies (included in "Billiard and bowling supplies")	—	—	—
Box toes	pr.	11,715,991	415,605
Boxes, paper:			
Corrugated, including wrappers, etc. (See also "Wrappers")	—	—	79,345,510
Fibre board	—	—	1,282,706
Folding	—	—	53,249,038
Set-up	—	—	13,742,271
Not specified	—	—	4,970
Boxes, plastic	—	—	614,557
Boxes, wooden:			
Apple and other fruit	No.	326,162	139,747
Berry	"	20,088,755	312,769
Butter	"	1,517,239	1,020,449
Cheese	"	469,722	270,949
Cigar	—	—	1
Fish	No.	1,171,220	832,122
Meat	"	421,710	277,385
Plywood	"	182,595	984,984
Veneer	"	2,154,979	2,656,418
Not specified	—	—	5,097,260
Boxes, other, not specified	—	—	279,916
Box panels, plywood	—	—	1
Braids and gimps	—	—	1,403,516
Brake fluid	—	—	871,584
Brake beams (railway car)	—	—	722,104
Brakes, auto, and parts	—	—	3,397,686
Brakes, brake shoes and parts	—	—	3,380,633
Bran	ton	295,529	13,210,323
Brass and bronze ingots	"	15,419	7,543,110
Brass and bronze products, not specified	—	—	2,324,313
Bread	ton	762,987	173,166,427
Breakfast foods (see "Cereal products")	—	—	—
Brewery and distillery equipment, n.e.s.	—	—	976,703
Bricks, cement	M.	102,597	4,220,514
Bricks, domestic clay	"	469,242	20,875,392
Bricks, sand-line	"	40,747	1,191,508
Briquettes, coal and coke	—	—	1
Bronze ingots (See "Brass and bronze ingots")	—	—	—
Brooms:			
Corn	doz.	246,016	2,888,607
Fibre	"	34,708	440,691
Hair	"	2,948	121,583
Toy	"	19,529	64,972
Other	"	6,655	129,695
Brushes:			
Clothes	"	26,364	160,221
Cosmetic	"	41,778	327,025
Generator and motor	—	—	847,596
Hair	doz.	120,555	684,443
Nail	"	45,794	68,352
Paint	"	481,610	3,871,893
Shaving	"	20,479	188,579
Shoe	"	39,670	131,333
Tooth	"	514,378	758,389
For household purposes	"	594,832	1,359,769
For industrial use	"	223,531	1,462,902
Other not specified	—	—	476,859
Brush blocks, backs, etc.	—	—	80,023
Buckles, clips, etc.	—	—	329,187
Buffing composition	—	—	476,572
Bufs, polishing, cotton	—	—	830,372
Building blocks, hollow, cement, cider, sand-lime, etc.	M.	126,175	28,184,609
Building boards:			
Wood fibre, rigid insulating	s. ton	127,985	12,216,306
Wood fibre, hardboard	"	52,681	4,950,424
Other than wood fibre	—	—	1,592,200
Buildings (houses, etc.) prefabricated	—	—	5,740,159
Bungs, barrel	—	—	65,969
Buns	—	—	26,793,602
Burlap products	—	—	21,432
Burners, not specified	—	—	894,290
Butane (included in "Gases, liquifying petroleum")	—	—	—
Butter, whey, factory made	lb.	2,029,299	1,048,020
Butter, other, factory made	"	314,752,435	183,694,516
Buttons:			
Celluloid	gr.	51,260	223,382
Covered	"	93,641	146,533
Plastic	"	952,300	948,121

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Buttons - Concluded			
Metal	gr.	350,310	353,083
Moulded	"	3,770,846	1,329,427
Pearl	"	75,553	134,283
Not specified	"	—	449,734
Button covering, hemstitching, etc.	"	—	1,612,461
Butyl acetate	"	—	1
Butyraldehyde	"	—	1
Cabinets, ice cream	No.	5,453	2,044,804
Cabinets, phonograph, radio and television	"	521,100	11,695,516
Cabinets, silverware	"	—	1
Cabinets, other, including shower	"	—	819,044
Caffeine	"	—	1
Calcium acid phosphate	"	—	1
Calcium carbide	"	—	1
Calcium chloride	"	—	1
Calcium cyanamide (Fertilizer grade included in "Fertilizers, other than mixed")	"	—	1
Calcium naphthenate	"	—	1
Calendar pads	"	—	299,657
Calks, horseshoe	"	—	24,971
Camel back	lb.	10,256,944	3,639,498
Cameras	"	—	1
Candles and clergies:			
Household	"	—	465,871
Church, chapel and synagogue	"	—	2,159,711
Wax lights in tumbler	"	—	1
Candy sticks	No.	164,100	93,792
Canoes (See also "Boats")	"	—	362,928
Cans, metal, cream and milk	No.	103,988	713,729
Cans, metal, for food	"	—	54,933,274
Cans, metal, non-food	"	—	22,908,849
Cans, garbage and ash	"	—	1,317,624
Cans, paper or fibre with metal ends	M.	68,182	1,945,757
Cans, all paper or fibre	"	40,836	972,603
Canvas and canvas goods, not elsewhere specified	"	—	49,243
Capacitors, (Static condensers for power factor correction)	"	—	2,550,461
Caps:			
Cloth	doz.	237,299	2,582,556
Cotton	"	105,605	197,379
Fur (See also "Hats and caps, fur")	"	4,472	79,789
Leather	"	5,637	81,035
Sport	"	122,660	947,828
Uniform	"	43,317	1,014,351
Not specified	"	—	247,467
Caps, bottle:			
Metal, all kinds	"	—	11,134,276
Paper, milk bottle	"	—	1,322,663
Paper, other, not specified	"	—	117,581
Plastic	"	—	1,063,505
Not specified	"	—	256,451
Caramel butter	"	—	1
Carbonated beverages	gal.	105,930,881	92,770,753
Carbon dioxide (cylinders and solid)	"	—	1
Carbon bisulphide	"	—	1
Carbon tetrachloride	"	—	1
Carbon products, not specified	"	—	66,318
Carbons, illuminating	"	—	1
Carboxel (sodium carboxymethyl cellulose)	"	—	1
Cards, greeting	"	—	12,961,349
" playing	"	—	1
" visiting	"	—	137,062
" sample, swatch, display, etc.	"	—	1,043,074
" tabulating and time clock	"	—	2,320,651
Carpets, mats, and rugs:			
Carpets in rolls, including stair:			
Axminster	carpet yard	501,301	2,440,276
Tapestry and velvet	"	240,245	1,329,079
Wilton	"	563,018	4,434,575
Other, not specified	"	44,611	346,291
Squares made on Axminster or Wilton looms:			
Axminster	sq. yd.	509,835	2,473,529
Wilton	"	—	1
Cocoa mats and matting	"	—	1
Rugs, wool, cotton, hooked, etc.	"	—	2,236,826
Rugs, made from old carpets	"	—	687,698
Carpet sweepers	"	—	1
Carriages, sulkies, etc., baby	No.	159,348	2,688,728
Carriages, doll	"	235,357	1,125,660
Carriages and wagons (See "Vehicles" and "Wagons")	"	—	—
Carriage and wagon bodies and boxes	"	—	62,263
Carriage and wagon materials	"	—	35,047
Carriers, litter	"	—	1
Cars, steam, railway, new	No.	8,287	88,394,512
Cars, dump, hand, push and other, not specified	"	683	890,852
Carts, concrete	"	—	68,804
Carvings, wood	"	—	6,215
Casein, dried	lb.	7,969,422	1,523,662
Casein, green	"	3,690,180	395,369
Cases, clock	"	—	90,101

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cases, jewellery	—	—	1,197,594
Cases, key, card, cigarette, utility, etc.	No.	848,694	796,285
Cases, portfolios, brief, etc.	—	203,402	1,198,504
Cases, toiletware	—	—	48,226
Cases, other, not specified	—	—	132,187
Caskets and coffins (completely assembled):			
Wooden, hardwood	No.	40,200	3,556,016
Wooden, imitation hardwood	—	3,054	134,240
Wooden, cloth covered	—	61,418	3,077,853
Wooden, not specified	—	325	10,209
Metal	—	1,139	224,047
Shells and rough boxes	—	73,154	783,080
Casks, fish	—	58,771	197,126
Casks, other	—	1,206	8,874
Castings:			
Aluminum	lb.	10,059,795	7,650,725
Brass and bronze	—	28,911,779	13,180,715
Copper	—	130,807	92,870
Die	—	13,275,257	7,765,068
Grey iron	—	—	33,439,275
Magnesium	lb.	1,137,612	3,851,507
Malleable iron	ton	19,234	6,833,097
Iron, not specified	—	—	375,802
Lead	lb.	506,665	233,793
Steel:			
Quantity made	ton	81,239	—
Quantity sold	—	80,490	34,413,220
Castings, not specified	—	—	4,170,180
Castors, all kinds	—	—	1,307,967
Catalogues, printed, etc.	—	—	15,782,725
Catsup (See "Tomato Catsup")	—	—	—
Caulking materials	—	—	1
Ceiling and siding, metal	—	—	530,988
Cellulose products, n.e.s.	—	—	1
Cement, asbestos	lb.	2,793,860	149,608
Cement, hydraulic (including containers) ..	—	—	62,196,947
Cement, linoleum	—	—	628,765
Cement, rubber	—	—	510,061
Cement, not specified	—	—	1,745,558
Cereal products:			
Prepared (ready to serve)	lb.	73,794,631	20,884,601
Unprepared	—	21,964,980	2,024,742
Not specified	—	8,082,000	449,880
Certificates, stock, bond, etc. (printed) ..	—	—	2,609,021
Chains, automobile	—	—	1,190,649
Chains, other than automobile, including sprocket chain ..	—	—	4,580,843
Chamois products	—	—	459,453
Chaplets, foundry	—	—	1
Charcoal	ton	14,202	668,398
Cheese, Canadian Cheddar	lb.	85,614,188	25,377,073
Cheese, other, whole milk	—	6,970,275	3,128,061
Cheese, skim milk and cottage	—	14,261,589	2,589,440
Cheese, process	—	46,296,238	18,698,731
Cheesecloth	yd.	898,696	468,868
Chemical products, not elsewhere specified ..	—	—	4,369,401
Cheques, notes, drafts, bank notes, etc. (printed) ..	—	—	3,892,285
Chests, cedar and other	No.	38,919	1,488,241
Chewing gum	box.	13,838,868	9,385,179
Chicken, canned (See "Meat, canned")	—	—	—
Chicory, roasted	—	—	1
Children's sleepers (See also "Infants' Wear, Sleepers") ..	doz	55,845	748,100
Children's waists n.e.s.	—	2,737	17,931
Chloride of lime	lb.	465,894	69,112
Chlorine, liquid	—	197,350,048	6,291,527
Chloroform	—	—	1
Chocolate coating:			
Liquor	—	—	1
Sweetened:			
For own use	lb.	9,227,892	—
For sale	—	10,683,946	5,254,441
Choppers and grinders, food	No.	14,015	323,607
Churns	—	—	1
Cider (for sale)	gal.	56,674	29,683
Cigars	M.	240,520	17,925,856
Cigarettes	—	22,425,791	303,682,204
Classifiers, metal-working	—	—	1
Clay, bentonite and other	—	—	461,022
Cleaners, vacuum and parts	—	—	7,326,314
Cleaner, hand	lb.	1,148,073	193,182
Cleaner, automobile, fabric, floor, etc.	—	—	1,276,792
Cleaning and scouring powders and pastes ..	lb.	37,332,545	4,687,170
Cleaning preparations, n.e.s.	—	—	2,956,989
Clips and staples, wire	—	—	600,230
Clocks	—	—	3,552,676
Cloth, gummed	—	—	268,593
Clothes hampers	—	—	102,679
Clothes driers, electric	—	—	2,898,629
Clothes pins, wood	—	—	980,420
Clothes pins, plastic	gr.	1,149,702	—

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Clothing, hospital	—	—	1,096,483
Clothing military (See also "Jackets", "Pants" and "Suits")	No.	9,180	40,000
Clothing, oiled and waterproofed (see also "Raincoats and pants, rubberized and oiled")	—	—	899,055
Clothing, plastic, n.e.s. (see also "Aprons", "Raincoats and capes")	—	—	248,379
Clothing, rubber n.e.s.	—	—	370,583
Clothing, safety	—	—	1,011,176
Clothing, n.e.s.	—	—	1,929,325
Clothing, sport:			
Shorts:			
Women's and misses':			
Cotton	doz.	120,441	855,446
Rayon	"	1,143	17,182
Wool and wool mixtures	"	1,776	50,228
Not specified	"	9,825	149,778
Men's and youths':			
Cotton	"	26,242	431,793
Not specified	"	3,744	111,032
Boys':			
Cotton	"	8,491	79,166
Other	"	1,600	2,400
Children's:			
Cotton	"	32,980	294,084
Rayon	"	902	10,223
Wool and wool mixtures	"	2,163	31,711
Not specified	"	770	6,160
Not specified	"	9,953	323,516
Slacks:			
Women's and misses':			
Cotton (including jeans)	No.	1,656,162	3,079,847
Rayon	"	295,579	987,466
Wool and wool mixtures	"	229,102	1,099,090
Not specified	"	45,874	211,869
Men's and youths': (See "pants and slacks")			
Children's:			
Cotton (including jeans)	"	1,124,676	1,652,328
Rayon	"	115,073	234,617
Wool and wool mixtures	"	164,316	392,857
Not specified	"	240,453	231,449
Not specified	"	15,192	26,765
Suits, sport:			
Ski and snow suits:			
Women's and misses'	"	12,485	273,734
Children's	"	549,694	3,057,347
Not specified	"	7,492	89,612
Other sport suits:			
Womens' and misses'	"	9,919	40,287
Children's:			
Cotton	"	19,683	55,346
Wool and wool mixtures	"	27,938	94,570
Not specified	"	13,832	45,149
Clothing, sport, (baseball, gym and athletic) (See also "Pants, hockey, soccer, etc.")	—	—	339,279
Clothing, sport, other	—	—	398,326
Coats and jackets:			
Men's and boys' overcoats and top coats:			
Regular models:			
Boys'	No.	47,495	470,322
Men's and youths'	"	604,036	18,501,714
Station wagon (except short length)			
Boys'	"	7,083	60,951
Men's and youths'	"	27,800	363,607
Women's and misses' coats:			
Regular models:			
Rayon	"	74,655	937,187
Woolen	"	1,582,413	36,281,941
Other	"	16,454	528,594
Station wagon	"	12,976	167,157
Children's coats:			
Regular models:			
Woolen	"	851,870	7,323,040
Rayon	"	107,252	860,730
Not specified	"	5,821	46,717
Station wagon	"	35,676	282,830
Station wagon coats n.e.s.	"	3,996	90,000
Other coats, not specified	—	—	119,040
Boys' separate jackets (civilian)	No.	82,458	523,719
Men's and youths' separate jackets:			
Civilian	"	536,437	8,152,821
Military	"	186,146	2,037,067
Women's and misses' separate jackets:			
Wool and mixtures	"	122,130	1,111,919
Rayon and mixtures	"	25,479	158,624
Cotton	"	28,313	92,763
Other	"	27,462	204,806
Children's separate jackets:			
Wool and mixtures	"	289,129	841,361
Cotton	"	69,383	187,971
Rayon and mixtures	"	32,652	117,615
Other	"	17,179	57,497
Coats, blazers, and jackets, not specified	—	—	804,411

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Coats and jackets - Concluded:			
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests etc.):			
Wool and wool mixtures:			
Men's and youths'	doz.	47,839	4,815,296
Boys'	"	20,505	1,246,852
Children's (under 14)	"	9,985	477,420
Women's and misses'	"	5,744	495,475
Not specified	"	4,000	20,200
Cotton:			
Men's and youths'	"	45,255	3,144,896
Boys'	"	12,154	591,405
Children's (under 14)	"	31,666	687,226
Women's and misses'	"	4,732	232,369
Not specified	"	897	103,250
Leather:			
Men's and youths'	"	32,216	4,404,796
Boys'	"	828	92,102
Not specified	"	7,462	265,514
Rayon:			
Children's	"	20,001	618,479
Women's and misses'	"	3,620	200,254
Other:			
Men's and youths'	"	69,643	6,331,929
Boys'	"	25,907	1,793,989
Children's (under 14)	"	5,523	196,829
Women's and misses'	"	3,591	325,465
Raincoats:			
Plastic:			
Children's	"	84,537	108,681
Men's and youths'	"	71,797	225,530
Women's and misses'	"	90,311	134,202
Rubber and rubberized:			
Children's	-	-	1
Showerproofed and waterproofed:			
Children's	No.	64,037	556,434
Men's and youths'	"	134,231	1,737,706
Women's and misses'	"	257,743	3,702,979
Not specified	-	-	718,847
Coats and capes:			
Oiled	doz.	104	5,091
Plastic	"	43,806	964,584
Rubber, rubberized and showerproofed	"	41,426	3,152,314
Brunch coats and house coats	"	8,170	321,420
Coats, fur:			
Children's	"	217	9,821
Ladies' (Coats, jackets, etc.)	"	214,369	46,925,678
Mens	"	72	18,095
Coats, fur-lined (ladies')	"	1,665	220,045
Coat plates	-	-	1,074,379
Coating, industrial (plastic) (See also "Enamels, pipe-line")	-	-	-
Cobalt naphthenate	-	-	1
Cocoa (Made for sale)	lb.	7,408,097	4,345,895
Coca butter:			
Made for own use	"	1,176,666	-
Made for sale	"	553,782	531,957
Cocoa and chocolate preparations not elsewhere specified (for sale)	"	6,138,405	3,065,216
Cocoanut, prepared and desiccated	-	-	1
Coffee-makers, electric	-	-	463,470
Coffee-makers, glass	-	-	1
Coffee, roasted	lb.	70,818,117	77,752,371
Coffee, instant and substitute	"	3,238,318	13,101,708
Coffins (See "Caskets and coffins")			
Coffins, (shells or rough boxes) See "Caskets and coffins")			
Coke, gas-house*	ton	3,424,218	50,537,888
Coke, petroleum*	"	255,675	2,929,546
Coke, pitch	-	-	1
Cold storage equipment (see also "Refrigeration equipment")	-	-	87,753
Collars, men's	-	-	125,203
Collars, fur	No.	72,174	343,788
Colours, butter, cheese and other	-	-	643,818
Colours, dry	-	-	4,162,859
Colours, in oil and japan	gal.	60,650	429,222
Combs	-	-	1,125,495
Comforters:			
Cotton	No.	59,866	222,688
Down	"	5,222	130,422
Wool	"	97,177	555,767
Not specified	-	-	243,552
Communication systems (see "Radio communication equipment")			
Compacts only, powder and rouge	-	-	125,455
Compressors, air	No.	5,576	6,161,523
Compressors and condensing units (refrigeration)	"	34,331	3,739,845
Concentrates used for soft drinks	gal.	2,563,075	6,724,477
Concrete, ready mixed	-	-	42,753,235
Concrete products n.e.s.	-	-	8,180,142
Condensers, evaporative (refrigeration)	No.	1,721	129,704
Conduit, fibre	-	-	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Conduit, flexible, non-metallic, etc.,	—	—	192,899
Conduit, rigid:			
Aluminum	—	—	1
Electrical metallic tubing	lb.	5,192,500	1,351,014
Steel and non-ferrous	"	37,224,000	5,401,623
Not specified	—	—	80,812
Conduit fittings	—	—	2,780,641
Cones, ice cream	M.	377,426	1,758,086
Cones and tubes, textile winding	—	—	1
Confectionery, chocolate:			
In bulk	lb.	13,502,589	6,381,564
In bars	doz.	49,986,868	28,673,026
In packages	lb.	19,980,952	12,602,707
Moulded chocolate novelties	"	2,477,297	1,582,385
Not specified	"	72,383	51,750
Confectionery, marshmallow:			
In bulk	"	409,581	99,074
In packages	"	5,163,313	1,410,959
Confectionery, sugar:			
In bulk	"	41,508,023	10,117,586
In bars	doz.	2,577,770	1,219,183
In packages	lb.	24,374,306	7,510,232
Penny goods	gr.	3,685,622	2,913,981
Lozenges	lb.	1,731,192	436,402
Toffee:			
In bulk	"	1,455,672	433,617
In packages	"	2,998,716	1,179,310
Confectionery, not specified	—	—	931,406
Confectionery coatings	—	—	1
Confectionery mixes	—	—	1
Containers, n.e.s.	—	—	1,199,648
Control and starting equipment, industrial, n.e.s.	—	—	13,823,225
Converter equipment, electrical	—	—	2,364,348
Coolers, milk and other	—	—	2,603,085
Cooperage products, not specified	—	—	100,587
Copper alloys	—	—	1
Copper and copper products, n.e.s.	—	—	2,770,971
Cores for paper rolls	M. ft.	7,765	1,079,554
Cores for small paper rolls and mailing tubes	—	—	1,210,151
Cores, textile winding	—	—	264,368
Cores, lumber	—	—	662,648
Cork products, not elsewhere specified	—	—	389,338
Corn, for popping	—	—	1
Corsets, girdles, brassieres, etc.:			
Corsets and girdles	doz.	207,290	7,987,768
Combination garments	"	15,569	939,133
Bandeaux, brassieres, etc.	"	774,726	10,756,677
Suspender girdles, shoulder straps, etc.	—	—	146,374
Cosmetic containers and other cosmetic accessories, n.e.s. (See also "Compacts")	—	—	513,671
Cotton fabrics:			
Unbleached or grey	lb.	61,031,560	—
Bleached or white	yd.	182,362,260	45,379,078
Yarn and stock dyed	lb.	12,176,829	—
Piece dyed	yd.	44,058,469	13,139,875
Printed and painted	lb.	13,308,388	—
Not specified	yd.	29,005,386	12,236,841
Counters, shoe	lb.	17,918,177	—
Couplings, flexible, etc.	yd.	60,951,070	19,975,647
Coverings, boiler and pipe, asbestos and other	lb.	11,146,507	—
Covers, baby carriage and crib	yd.	46,318,104	13,512,166
Covers, boat	—	—	569,253
Covers, canvas	pr.	20,647,201	686,815
Covers, couch, table and other furniture	—	—	459,125
Covers, mattress	—	—	2,538,983
Covers, stockinette, meat (See "Knitted fabrics")	doz.	3,424	86,260
Covers, radiator	—	—	116,180
Covers, seat, automobile	—	—	2,463,775
Covers, not specified	—	—	1,199,598
Crates, shipping, auto and other	—	—	350,141
Crayons, wax and chalk	—	—	—
Cream, whey, sold in dairy factories	—	—	51,774
Cream, other, sold in dairy factories	—	—	2,555,444
Cream transferred to branches of firms reporting	—	—	1,846,562
Cream of tartar, refined	—	—	877,736
Cream separators	—	—	1
Cresols	—	—	1
Croquet sets	—	—	1,139,760
Cross arms	—	—	178,003
Crucibles, clay	—	—	249,438
Crushers, rock and parts	—	—	—
Cuffs, fur	pr.	45	1,689
Cultivators	No.	9,649	2,566,451
Cumene	—	—	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cups, paper, baking, bonbon, etc.	M.	1,755,944	495,444
Cups, paper, drinking	"	906,775	4,705,986
Curtains, shower	"	—	18,715
Curtains, fabric	"	—	3,559,904
Curtains and drapes, plastic	"	—	766,134
Curtain rods and fixtures	"	—	1,641,321
Cushions	"	—	560,549
Cushion forms	No.	32,115	38,221
Cushion tops	"	5,035	27,888
Cushions, mats and pads, air and sponge	doz.	739	21,078
Cutting blocks and tables, butcher	"	—	133,563
Cutlery, all kinds (see also "Flatware")	"	—	1,295,787
Dairy products, not specified	"	—	1,285,078
Dairy equipment, not specified	"	—	803,514
Decorations, including party favours, confetti, etc.	"	—	799,759
Dentifrices	"	—	7,125,899
Dentists' supplies, not elsewhere specified	"	—	173,949
Deodorant (personal)	"	—	2,077,114
Deodorant (not personal)	"	—	506,423
Desk sets	"	—	104,588
Detergents	lb.	123,132,249	32,420,527
Dextrine	"	—	1
Dextrose	"	—	1
Diamonds	"	—	1
Diaries, printed, etc.	"	—	340,172
Dibutyl phthalate	"	—	1
Dicyandiamide	"	—	1
Dies, stamping, drawing and cutting	"	—	591,867
Dies, metal working, n.e.s.	"	—	4,688,801
Dies, aluminum	"	—	1
Dies, taps and stocks	"	—	981,822
Dies, rubber, etc.	"	—	816,518
Dinnerware (See "Tableware, pottery")	"	—	1
Diocetyl phthalate	"	—	1
Discs, agricultural (See "Ploughs")	"	—	1
Discs for cartridge cases	"	—	1
Dishcloths	doz.	260,617	419,168
Dishwashers, electrical, commercial and other	"	—	1,184,309
Disinfectants	"	—	927,570
Displays, advertising	"	—	5,618,226
Display forms, mounting, etc.	"	—	1,718,905
Distillers' grain (See "Grain, distillers")	"	—	—
Dog collars and harness	"	—	93,331
Dollies and dinner cloths, paper	"	—	610,842
Dolls, all kinds	"	—	3,400,756
Dolls' furnishings and parts	"	—	282,836
Doors, folding	"	—	1
Doors, metal clad	"	—	4,249,175
Doors, modernfold	"	—	1
Doors, veneer and plywood	"	—	12,939,997
Doughnuts	"	—	7,587,440
Dowels	M. lin. ft.	35,190	366,552
Down, processed (included with "Feathers")	"	—	—
Draperies and drapery material	"	—	1,643,222
Dresserware, plastic	"	—	7,373
Dresses, children's:	"	—	—
Cotton	No.	2,128,203	4,420,757
Nylon	"	375,914	1,036,846
Rayon and rayon mixtures	"	759,697	1,894,430
Wool and wool mixtures	"	271,430	783,489
Not specified	"	28,273	57,811
Dresses, women's and misses':	"	—	—
Cotton (See also, "Coats, brunch coats, house coats, etc.")	"	5,474,857	17,442,787
Nylon	"	364,785	3,901,035
Rayon and rayon mixtures	"	6,253,655	44,292,304
Wool and wool mixtures	"	441,434	5,649,263
Wool, knitted suits and dresses (including children's)	"	110,556	1,400,758
Not specified	"	79,762	1,095,148
Dressing gowns, negligees, (see "Bathrobes, etc.")	"	—	—
Dressing, salad	lb.	22,809,448	5,881,727
Dressings and finishes, leather, (not including polish)	"	—	1,347,757
Drilling machines (metal working)	No.	745	756,884
Drills, grain and fertilizer (combination)	"	9,490	4,795,581
Drills, grain, press and plain	"	3,848	1,617,099
Drills, reamers, etc. incl. screw plates	"	—	10,289,899
Drills, mining and metallurgical	"	—	1
Drink mixers	"	—	1
Drives, V-belt	"	—	412,736
Druggists' sundries:	"	—	—
Hot water bottles	doz.	19,637	176,856
Nipples and soothers	"	343,390	153,898
Ice caps and collars	"	2,828	33,613
Not specified	"	—	4,016
Drums, veneer, plywood and other	"	—	379,807
Dyeing, finishing, shrinking, etc.:	"	—	—
Dyeing and finishing of textiles	"	—	7,033,974
Dyeing and finishing of yarns	lb.	2,572,700	597,849
Dyeing and finishing of other products	"	—	588,877
Bleaching, sponging, dyeing etc., custom	"	—	2,430,623

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Dyes, blended and packaged	—	—	126,651
Dyes, leather	—	—	23,317
Ear muffs	—	—	364,317
Eavetrough and pipe	—	—	2,536,595
Economizers	—	—	1
Egg cases	No.	587,823	342,299
Egg case fillers	—	—	1
Eggs, frozen	—	—	1
Egg substitute, including powdered albumen	—	—	9,949
Elastic products, not elsewhere specified	—	—	1,038,851
Electric heating elements (sold separately)	—	—	3,315,540
Electrical apparatus, parts and supplies, not elsewhere specified	—	—	8,334,336
Electrical instruments and meters, except ammeters for autos	—	—	9,022,888
Electrodes, carbon and graphite	—	—	1
Electrodes, platinum	—	—	1
Electrotyping and stereotyping	—	—	7,646,632
Elevators, freight and passenger	—	—	12,339,177
Elevator parts	—	—	1,285,278
Embalming fluid	—	—	259,917
Embossing	—	—	370,549
Embroidery	—	—	4,770,999
Enamels, oil and synthetic (See also "Paints and enamels")	gal.	6,445,837	28,838,490
Enamels, pipe-line	—	—	1
Engines, auto	—	—	1
Engines, auto, parts	—	—	1
Engines, diesel	No.	114	5,093,699
Engines, gasoline, all types except automobile	—	—	9,045,910
Engines, steam, including steam turbines	—	—	906,740
Engine parts	—	—	3,876,514
Engraving (trade work)	—	—	453,206
Ensilage cutters	No.	92	44,643
Ensilage and forage harvesters	—	1,053	858,274
Envelopes, made	M.	3,893,857	15,145,478
Envelopes, printed	—	—	6,823,949
Escalators	—	—	1
Ethyl acetate	—	—	1
Ethyl hexonal	—	—	1
Ethylene	—	—	1
Evaporators (fin coils, ice-makers, etc.)	No.	28,523	1,179,765
Excelsior, paper	—	—	196,099
Excelsior, wood	ton	5,987	360,424
Excelsior, wrappers, mats and pads	—	—	1
Explosives	—	—	1
Extracts, flavouring (bakers', confectioners', household etc.)	—	—	4,745,507
Extracts, flavouring, etc. (used for soft drinks)	gal.	142,293	1,925,118
Fabrics, coated and impregnated, including felt saturated, book cloth and shoe materials	—	—	2,897,840
Fabrics, rubberized and waterproofed	—	—	410,814
Fabrics, other, not elsewhere specified	—	—	2,579,297
Face cloths	doz.	785,233	809,919
Facial tissue (see "Tissues, cleansing")	—	—	—
Facing and parting, foundry	—	—	305,963
Fanning mills	No.	1,497	227,969
Fans, electric	—	142,241	2,092,263
Farm equipment, n.e.s.	—	—	3,142,317
Fasteners, zipper	ft.	65,068,390	6,390,352
Fasteners, other than zipper	—	—	778,082
Fat, animal, n.e.s.	lb.	580,250	37,667
Feathers and down, millinery and other	—	—	625,832
Feed, chopped grain	ton	532,577	30,703,705
Feed cutters and mixers (See also "Ensilage cutters")	No.	221	47,148
Feed, poultry	ton	1,129,863	98,502,061
Feed, stock	—	936,451	70,735,493
Feed, stock and poultry, n.e.s.	"	21,976	1,736,651
Feed supplements n.e.s.	—	—	1
Felt, coated and saturated (included in "Fabrics coated, etc.")	—	—	—
Felt, cotton	lb.	11,618,530	1,515,862
Felt, harness and athletic	"	226,849	180,074
Felt, industrial and automotive (uncut)	"	2,222,607	1,089,707
Felt, insoling, uncut	"	10,737	11,331
Felt, sole	"	34,268	56,052
Felt, padding (see "Paper, building and roofing")	sq. yd.	2,263,845	1,913,912
Felt, pennant, crest and fancy kning	"	938,993	807,196
Felt, shoe and gaiter	—	—	207,910
Felt, for pulp and paper making	—	—	13,191,978
Felt, n.e.s.	—	—	764,456
Fences, electric	No.	13,544	126,955
Fencing, steel wire:			
Farm fence	ton	12,431	2,548,615
Lawn fence	"	1,313	353,653
Chain link fabric	"	4,147	1,181,418
Fencing, snow	—	—	361,217
Fencing, other	—	—	87,407
Ferric chloride	—	—	1
Ferro-alloys, (Ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.)	ton	668,360	17,450,311
Fertilizers, complete	—	—	32,124,914
Fertilizers, other than mixed including ammonium nitrate (fertilizer grade) ammonium phosphate, calcium, cyanamide, ammonium sulphate and superphosphate	"	933,996	50,596,769
Fertilizer sowers	No.	224	19,402

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Fibre, staple (rayon)	—	—	1
Files and rasps	—	—	1
Filing systems supplies	—	—	3,703,808
Filling, pie, apple	lb.	4,748,641	719,453
Filling, pie, other than apple	"	11,081,230	2,203,036
Filling, pie, powder, included in ("Powders, pudding")	—	—	—
Fillings, not specified	—	—	1
Films, motion picture	—	—	1
Films, photographers' including X-ray films	—	—	1
Filter discs, etc.	—	—	888,518
Filters, mining and metallurgical	No.	31	730,703
Filters, oil, auto:	—	—	—
Complete	"	376,742	749,491
Elements, only	"	4,216,029	2,892,707
Firearms	—	—	1
Fire clay	ton	10,770	61,750
Fire extinguishers and supplies	—	—	2,711,715
Fire fighting and fire protection equipment, not elsewhere specified	—	—	3,042,946
Fireplaces and furnishings	—	—	858,364
Fireworks (see "Pyrotechnics")	—	—	—
Fish, canned	lb.	137,887,296	51,084,000
Fish, otherwise prepared	"	133,586,000	20,094,800
Fish fresh, marketed for consumption, sold in factories	"	330,860,000	68,220,200
Fishing nets and netting	—	—	1,956,185
Fishing tackle	—	—	2,067,119
Fixtures, lighting:	—	—	—
Commercial and industrial	—	—	15,134,023
Residential	—	—	4,372,794
Street-lighting	—	—	1,890,093
Searchlights and floodlights	—	—	595,517
Other lighting equipment	—	—	3,545,758
Flags and bunting	—	—	388,555
Flashlights and cases	—	—	327,624
Flatware, electro-silver plated and sterling, (see also "Cutlery")	—	—	9,107,820
Flints for lighters	—	—	318,745
Fitches for veneer mills	M. ft. b.m.	487	39,889
Flocks	lb.	7,953,820	548,801
Floor cleaning equipment, n.e.s.	—	—	182,130
Floor covering, including oilcloth, etc.	—	—	1
Flooring, hardwood	—	—	12,267,132
Floor tile and joists, steel	—	—	1
Flooring, metal	—	—	1
Flotation machines	—	—	1
Flour, barley	—	—	1
Flour, buckwheat	—	—	1
Flour, corn	—	—	1
Flour, diabetetic	—	—	1
Flour, potato (see "Starch and flour")	—	—	—
Flour, prepared and self-raising, cake mixes, pie crust, etc.	ton	42,210	16,024,114
Flour preparations for sausage fillings	"	1,340	348,138
Flour, soyabean	—	—	1
Flour, wheat:	—	—	—
Spring, No. 1 patent including semolina	bbl.	3,867,214	37,066,987
Spring No. 2 patent	"	6,174,792	52,438,055
Spring No. 3 patent	"	7,099,028	59,547,360
Ontario winter	"	1,694,730	12,917,294
Low grade flour	"	696,483	5,003,131
Durum semolina	"	649,853	5,692,647
All other	"	655,571	5,205,202
Flour, graham or whole wheat	"	296,491	2,454,797
Flour, rye	ton	5,344	329,879
Flowers, artificial	—	—	2,107,825
Flue linings	—	—	970,595
Fly pads and paper	—	—	1
Fly swatters	—	—	1
Foil, tin, lead and aluminum	—	—	6,797,814
Foil products, n.e.s.	—	—	1
Folding (trade work)	—	—	371,601
Food drinks, liquid (see also "Powder, food drinks")	gal.	3,427,038	3,110,942
Food, fox, dog, etc.:	—	—	—
Fox biscuits	—	—	1
Dog biscuits	ton	3,549	752,123
Fox and dog biscuits	—	—	1
Canned dog and cat food	ton	38,525	6,584,481
Other dog and cat food	"	8,137	1,444,341
Other fox food	"	3,765	490,699
Mink and other animal food	—	—	1,509,684
Food, stock and poultry n.e.s. (see "Feeds")	—	—	—
Food mixers	No.	115,413	2,401,558
Food, infant, canned	lb.	49,604,265	13,635,736
Food, infant, other including precooked cereal	"	7,083,682	2,321,459
Food products, not specified	—	—	1,176,141
Foats, vegetable oil	lb.	1,804,732	70,445
Footwear, leather: (see also "Slippers"):	—	—	—
Felt uppers (including felt slippers):	—	—	—
Babies'	pr.	29,072	28,774
Boys'	"	16,271	38,329
Children's, including little girls	"	31,543	54,001
Men's	"	194,243	544,276

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Footwear, leather: (See also "Slippers"):			
Felt uppers (including felt slippers):			
Youths' (exclusive of slippers)	pr.	4,616	9,724
Misses'	"	20,997	40,896
Women's and growing girls'	"	68,968	82,496
Leather or fabric uppers:			
Babies'	"	2,734,234	4,939,689
Boys'	"	1,100,936	3,637,459
Children's	"	5,408,583	12,944,829
Men's	"	6,769,593	38,913,420
Youths'	"	345,859	881,570
Women's and growing girls'	"	14,324,302	50,892,885
Footwear, moccasins, including shoe packs:			
Babies'	"	27,895	20,954
Boys'	"	24,259	47,429
Children's	"	75,858	97,457
Men's	"	146,505	420,044
Youths'	"	2,611	3,891
Women's, misses' and growing girls'	"	732,145	1,093,104
Not specified	"	88,536	313,297
Footwear, plastic	"	549,881	631,517
Footwear, rubber:			
Knee and hip boots, all rubber	"	1,440,028	4,735,568
Lumbermen's boots, all rubber	"	677,567	2,526,038
Lumbermen's boots, all leather tops	"	85,577	660,263
Overshoes and goshoes, cloth uppers	"	902,881	3,967,513
Overshoes, all rubber (lined and unlined)	"	2,987,881	8,849,813
Light and heavy rubbers	"	3,599,641	4,359,023
Rubber bottoms for leather tops	"	189,837	512,621
Utility footwear with canvas or other fabric tops	"	1,923,691	3,847,525
Forgings, including drop, shell, etc.	—	—	25,307,936
Forks (farm implements)	—	—	1
Formaldehyde	—	—	847,324
Forms, continuous, printed	—	—	14,440,462
Formvar	—	—	1
Fountains, soda and luncheonette equipment	—	—	1
Frames and cases, spectacle and sun glasses	—	—	1,169,420
Freezers, individual, home and farm	No.	8,605	2,532,936
Fringes, cords and tassels	—	—	625,695
Frit, enamel	—	—	1
Fruit drinks	—	—	227,770
Fruit juices, canned, bottled, etc., including grape juice	lb.	51,645,565	4,150,880
Fruit peel, candied	"	3,672,429	792,399
Fruit pulp	—	—	1
Fruit, canned:			
Apples, including crab apples	lb.	11,429,070	1,405,049
Apple sauce	"	8,838,660	1,044,102
Apricots	"	6,305,657	1,146,901
Blackberries	"	194,816	34,120
Blueberries	"	1,920,513	397,512
Cherries	"	7,949,421	1,425,888
Loganberries	"	432,781	125,544
Peaches	"	49,542,679	7,696,909
Pears	"	30,281,967	4,786,917
Plums	"	9,754,185	917,591
Raspberries	"	4,130,643	1,018,160
Rhubarb	"	293,460	25,090
Strawberries	"	4,309,025	1,102,246
Other fruits, not specified, pineapple, fruit salad, etc.)	"	12,213,800	2,356,148
Fruits, fountain	—	—	273,852
Fruits, glace	lb.	5,920,455	2,148,445
Fruits, maraschino cherries	"	3,167,404	1,659,387
Fruits, frozen for re-processing	—	—	2,530,775
Fruits, frozen, not for reprocessing	—	—	3,391,906
Fruits, in SO ₂ for reprocessing	lb.	9,443,842	934,483
Fruits, not specified	—	—	889,612
Fuel, hog	—	—	571,808
Fur dressing and dyeing	—	—	5,634,991
Fur trimming	—	—	1,640,423
Fur remodelling, repairing, etc.	—	—	5,210,809
Furnaces, warm air	No.	93,024	17,607,321
Furnaces, industrial, other	—	—	1,042,232
Furnaces, not specified, and furnace parts	—	—	1,397,631
Furniture, wood:			
Camp, lawn and verandah	—	—	691,264
Children's	—	—	3,033,821
Household:			
Bedroom	—	—	27,640,006
Breakfast-room	—	—	968,867
Dining-room	—	—	4,831,211
Kitchen	—	—	4,151,105
Living room (not upholstered)	—	—	6,098,787
Other	—	—	3,895,966
Office, store and restaurant	—	—	18,122,290
School, church, lodge, etc.	—	—	10,006,814
Other, furniture and cabinet work, n.e.s.	—	—	6,168,351
Furniture, metal:			
Breakfast room	—	—	8,723,676
Camp, lawn and verandah	—	—	2,193,046

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Furniture, metal - Concluded:			
Household (including chrome)	—	—	8,272,560
Office, store and restaurant, etc.	—	—	12,558,320
Other, not specified	—	—	8,242,884
Furniture, wood or metal:			
Living room (upholstered)	—	—	36,485,446
Theatre	—	—	616,114
Not specified (upholstered)	—	—	3,265,646
Furniture, not specified:			
Camp, lawn and verandah	—	—	72,067
Office, school, store, church, etc.	—	—	251,805
Not specified	—	—	524,091
Furniture frames and parts:			
Wood	—	—	4,603,473
Metal	—	—	368,745
Not specified	—	—	225,043
Furniture glides	—	—	109,051
Fuses and fuse wire	—	—	3,076,614
Gaiters, spats and leggings	—	—	143,897
Galvanized ware	—	—	1,919,290
Games, not specified	—	—	1,937,600
Garage equipment, n.e.s.	—	—	1,282,689
Gas made ¹ :			
Retort coal gas	M. cu. ft.	11,760,084	—
Coke oven gas	"	45,081,522	—
Producer gas	"	868,905	—
Water gas	"	10,959,437	—
Other	"	1,558,942	—
Gas, dry, natural*	"	22,342,569	1,912,526
Gas, sold	"	26,459,368	32,920,031
Gas used in own coke or gas plants	"	10,072,878	2,447,068
Gas used in associated metallurgical work	"	29,776,266	6,048,403
Gas, otherwise accounted for, but not sold	"	662,469	279,929
Gas, not accounted for	"	2,763,599	545,253
Gas, still, from petroleum refineries*	"	20,368,575	10,041,505
Gas, oil pintsch	"	33,169	485,168
Gases, liquifying, petroleum*	"	—	7,338,821
Gasoline*	Imp. gal.	2,438,654,370	446,868,591
Gates	No.	27,144	622,517
Gauges, pressure	—	—	521,483
Gauges, plug, ring, thread, etc.	—	—	802,563
Gears, rubber tired, truck, trailers, etc.	—	—	851,666
Gears, transmission	—	—	1
Gelatine	—	—	1
Generators:			
Alternating current	No.	147	13,676,834
Direct current	"	357	481,186
Generators, engine driven	—	—	1
Generator, steam and parts	—	—	1,990,018
Glass, bevelled and polished edge, plates and sheets	—	—	1,403,841
Glass, cut	—	—	1,140,372
Glass, leaded, including memorial windows	—	—	199,229
Glass, non-shatterable	—	—	13,253,162
Glass, pressed, blown and drawn including bottles, sealers, windows, kitchen-ware, etc.	—	—	41,739,445
Glass vials and chemical glassware	—	—	576,312
Glass products, other, including windshield glass	—	—	1,882,303
Glasses, sight	—	—	276,146
Glasses, sun	—	—	893,593
Gloves and mittens, fabric, dress:			
Cotton, women's	doz. pr.	73,757	598,158
Cotton, children's	"	866	7,634
Rayon and silk, men's, women's and children's	"	74,377	749,423
Other, including nylon, chamoisette, etc.	"	103,135	1,201,752
Gloves and mittens, fabric, work:			
Cotton, men's, women's and children's	"	761,344	2,180,139
Mixed fabric, men's and women's	"	50,211	176,085
Not specified	"	10,227	134,800
Gloves and mittens, fabric, not specified	"	73,775	348,505
Gloves and mittens, knitted	"	111,956	779,149
Gloves and mittens, leather, dress:			
Men's, lined	"	88,593	1,801,255
Men's, unlined	"	21,850	565,038
Women's and children's, lined	"	36,356	401,488
Women's and children's, unlined	"	12,899	345,237
Gloves and mittens, leather work:			
Men's, lined	"	119,536	987,786
Men's, unlined	"	208,013	2,610,267
Women's and children's, lined	"	33,850	309,928
Women's and children's, unlined	"	5,925	57,940
Gloves and mittens, leather, sport (see also, "Sport gloves and mittens, baseball, hockey, etc.")	"	7,606	93,245
Gloves and mittens, n.e.s.	"	26,378	115,869
Gloves, rubber, rubberized and plastic	"	221,337	1,228,822
Glucose	—	—	1
Glue (bone, hide, fish, and vegetable)	lb.	59,082,441	8,822,049
Glue stock	"	32,853,838	371,355
Gluten feed	—	—	1
Gluten, wheat	—	—	1
Glycerine, crude	lb.	2,802,773	481,981

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
Glycerine, refined	lb.	10, 242, 583	3, 443, 570
Glycols, not specified	—	—	1
Gold alloys	—	—	3, 168, 358
Gold, fine	—	—	860, 413
Gold leaf	—	—	1
Golf clubs (complete)	No.	206, 827	1, 351, 857
Golf supplies, including golf bags, carts, etc. (See also "Balls, golf")	—	—	179, 208
Grains, roasted	—	—	1
Grains sold wet or dry (Brewers' and distillers')	ton	179, 794	3, 572, 440
Granite monuments	—	—	3, 426, 465
Granite, for building purposes	—	—	1, 034, 539
Granules, roofing	—	—	1
Grape concentrate	—	—	1
Grape juice (included in "Fruit juices")	—	—	—
Graphite (included in "Electrodes carbon and graphite.")	—	—	—
Grate bars and grating	—	—	594, 254
Gravy preparations	lb.	175, 765	113, 040
Grease	—	—	2, 305, 625
Grease, lubricating	lb.	25, 755, 011	2, 646, 439
Grills and hot plates, electric, including stoves for glass coffee-makers	No.	173, 954	975, 556
Grinding machines (metal working)	—	—	184, 168
Guadinine nitrate	—	—	1
Gums, unvulcanized	lb.	668, 232	250, 317
Gymnasium supplies, not specified	—	—	191, 726
Gypsum blocks and sheathing	sq. ft.	6, 209, 147	266, 593
Hair, animal	—	—	1, 289, 010
Hair nets (included in "Hair dressing equipment and accessories")	—	—	—
Hair, processed (resilatex)	—	—	1
Hair goods, not specified	—	—	93, 039
Hair dressing equipment and accessories	—	—	413, 895
Halters, leather	No.	15, 927	38, 450
Hammocks	doz.	352	11, 014
Handkerchiefs	—	324, 933	425, 798
Handles, broom and mop	—	—	612, 137
Handles, long tool and axe	No.	2, 375, 289	1, 253, 621
Handles, small tool	—	13, 184, 982	664, 242
Handles, n.e.s.	—	—	952, 827
Handling equipment, n.e.s.	—	—	1
Hangers, garment	—	—	1, 254, 119
Hardware appliances (for refrigerators, etc.)	—	—	248, 216
Hardware, automobile	—	—	7, 220, 147
Hardware, builders'	—	—	17, 093, 179
Hardware, furniture	—	—	3, 359, 085
Hardware, harness and saddlery	—	—	1
Hardware, pole-line (line materials, distribution specialties etc.)	—	—	8, 094, 604
Hardware, trunk and suitcase	—	—	492, 102
Hardware, not specified	—	—	4, 732, 238
Harness, double	set	588	56, 097
Harness, single	—	871	52, 779
Harness collars	No.	13, 413	77, 832
Harness parts	—	—	334, 336
Harrows, disc (horse or tractor drawn)	No.	18, 395	2, 025, 161
Harrows, drag and spring tooth	—	46, 970	651, 368
Harrow carts	—	—	1
Hassocks	—	—	436, 218
Hat blocks	—	—	57, 182
Hats, cotton:	—	—	—
Men's	doz.	15, 822	161, 391
Women's	—	5, 681	79, 696
Children's	—	30, 456	223, 334
Hats, fur felt:	—	—	—
Men's	—	88, 317	4, 462, 010
Women's and children's	—	30, 561	1, 573, 429
Hats, linen, women's and children's	—	3, 185	51, 118
Hats, wool felt:	—	—	—
Men's	—	16, 683	328, 461
Women's	—	75, 655	2, 009, 302
Children's	—	8, 157	104, 335
Hats, velour felt:	—	—	—
Women's	—	44, 153	2, 238, 441
Other	—	550	10, 550
Hats, straw:	—	—	—
Men's	—	16, 450	417, 285
Women's	—	130, 774	5, 027, 806
Children's	—	38, 066	318, 479
Hats, panama	—	1, 998	53, 650
Hats, silk and rayon, women's and children's	—	15, 444	310, 957
Hats, velvet, women's and children's	—	52, 974	1, 414, 553
Hats, wool, women's and children's	—	8, 990	167, 550
Hats, not specified:	—	—	—
Men's	—	10, 382	44, 485
Women's	—	23, 923	427, 736
Children's	—	1, 750	16, 519
Tams, berets and turbans	—	2, 697	35, 389
Headwear, not specified	—	—	1, 190, 541
Hats and caps, fur (See also, "Caps, fur")	No.	3, 509	57, 374
Hats, cleaned and reblocked	—	—	46, 145

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Hat bodies	doz.	167, 111	2, 141, 929
Hatters' supplies, including hat linings	—	—	189, 017
Hay loaders	No.	1, 674	398, 565
Hay rakes, dump, tedders, etc.	"	7, 733	1, 787, 324
Hay balers, hay carriers, etc.	"	4, 452	4, 925, 784
Heading, barrel	—	—	438, 955
Hearing aids	—	—	1
Heaters, air, electric	—	—	1, 122, 743
Heaters, auto and engine	No.	390, 748	3, 723, 367
Heaters, boiler, feed, water	—	—	1
Heaters, electric, unit	—	—	4, 255, 852
Heaters, water tank, coal, wood or oil	No.	961	48, 854
Heaters, water tank, gas	"	36, 628	2, 037, 046
Heaters, water tank, electric	—	—	3, 512, 374
Heaters, water, electric, incl. tank and controls	No.	2, 789	221, 900
Heaters, not specified	—	—	64, 906
Heating and ventilating equipment, not elsewhere specified	—	—	11, 938, 801
Hectograph composition	—	—	90, 147
Heels, leather and wood	pr.	21, 681, 914	3, 211, 552
Heels, rubber and composition	"	14, 636, 104	1, 709, 406
Heel lifts	—	—	6, 900
Helmets	doz.	3, 673	38, 678
Hexachlorethane	—	—	1
Hexamethylenediamine	—	—	1
Hides, all kinds	—	—	9, 923, 646
Hockey pucks	doz.	33, 190	36, 001
Hockey sticks	—	—	1, 215, 846
Hoes, hand	—	—	228, 466
Hoists	—	—	3, 060, 506
Hollow-ware, copper	—	—	1
Hollow-ware, sterling silver	—	—	324, 725
Hollow-ware, silver-plated on Britannia metal	—	—	74, 665
Hollow-ware, silver-plated on brass and copper	—	—	1, 363, 564
Hollow-ware, silver-plated on lead alloy	—	—	151, 950
Hollow-ware, silver-plated on nickel silver	—	—	8, 609
Hollow-ware, other	—	—	50, 566
Holster sets	—	—	1
Honey butter	—	—	1
Hooks, eyes, notions, etc., not elsewhere specified	—	—	104, 780
Hoops, wooden	M	2, 167	60, 709
Hoops, steel and steel wire (included in "Sheets, hoops, bands, and strips, iron and steel")	—	—	—
Hooves and horns	lb.	1, 971, 472	44, 740
Hormones, sex	—	—	2, 098, 008
Horseradish, prepared	lb.	719, 109	260, 743
Horseshoes	—	—	161, 110
Hose, fire, cotton or linen	—	—	910, 215
Hose, fire, rubber	—	—	967, 648
Hose, garden, koroseal	—	—	771, 668
Hose, garden, rubber	ft.	8, 132, 902	942, 899
Hose, other	—	—	6, 859, 816
Hosiery:			
Cotton and cotton mixtures:			
Men's seamless:			
Work socks	doz. pr.	105, 855	482, 982
Fine socks	"	172, 074	569, 436
Other (anklets, sport, etc.)	"	134, 457	562, 076
Women's seamless:			
Full length stockings	"	207, 855	849, 184
Other (anklets, sport, etc.)	"	345, 843	902, 275
Children's, seamless:			
Full length stockings	"	279, 835	1, 005, 549
Golfers	"	13, 942	46, 085
Other	"	665, 268	1, 352, 643
Full fashioned (all types)	"	71, 703	481, 469
Silk and silk mixtures, seamless and full-fashioned	"	24, 155	264, 810
Rayon and rayon mixtures:			
Men's, seamless	"	47, 948	233, 964
Women's, seamless	"	77, 690	207, 014
Children's, seamless	"	86, 622	214, 833
Full-fashioned (all types)	"	27, 734	229, 074
Nylon:			
Seamless	"	1, 232, 424	6, 937, 670
Full-fashioned	"	4, 235, 101	32, 003, 221
Wool and wool mixtures:			
Men's, seamless:			
Work socks	"	511, 573	2, 872, 141
Fine socks	"	467, 817	4, 355, 862
Other	"	340, 571	2, 532, 468
Women's seamless:			
Full length stockings	"	48, 992	521, 359
Other (anklets, etc.)	"	101, 730	446, 064
Children's, seamless:			
Full length stockings	"	110, 838	681, 386
Golfers	"	121, 893	609, 156
Other (half-length, anklets, etc.)	"	220, 782	646, 087
Hosiery, not specified	"	579, 024	1, 015, 975
Houses, pre-fabricated (See "Buildings, etc. pre-fabricated")	—	—	—

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
Humidifiers and air conditioners	—	—	\$
Hydrants	No.	10,497	230,859
Hydrogen	—	—	1,596,745
Hydrogen chloride, anhydrous	—	—	1
Hydrogen peroxide	—	—	1
Hydrol	—	—	1
Ice, artificial	ton	750,816	4,215,833
Ice cream (factory)	gal.	27,976,186	46,598,754
Ice cream mix	—	—	3,403,160
Icings and icing paste n.e.s.	lb.	1,192,113	479,736
Implements, hand, n.e.s.	—	—	231,515
Incense and incense charcoal	—	—	15,221
Incubators and other poultrymen's supplies	lb.	12,623	226,665
Infants' wear (See also "Knitted Infants' Wear"):	—	—	—
Bibs	doz.	79,120	216,528
Coats	—	20,819	1,065,545
Dresses	—	80,127	1,123,036
Diapers	—	1,085,217	2,208,099
Headwear	—	30,243	215,909
Nightgowns	—	93,410	477,181
Rompers	—	69,279	828,262
Sleepers (See also "Children's sleepers")	—	29,132	457,301
Sleeping bags	—	11,890	613,601
Slips	—	11,988	47,413
Not specified	—	—	524,953
Ingots (See "Aluminum", "Steel", "Brass", "Bronze")	—	—	—
Ink eraser, liquid	—	—	1
Ink, printing and lithographing	lb.	26,854,350	11,648,790
Ink, writing	—	—	375,616
Ink, not specified	—	—	316,372
Insecticides including D.D.T.	—	—	6,606,901
Instruments, scientific, n.e.s.	—	—	21,415,679
Insulating materials, n.e.s. (See also "Wool, mineral" and "Vermiculite")	—	—	3,371,129
Insulators, porcelain and insulator parts	—	—	5,649,531
Interoffice communication sets, excluding telephone apparatus provided	—	—	1
Iron, pig:	—	—	—
Quantity made	ton.	2,211,029	—
Quantity sold	—	455,552	22,142,040
Iron and steel products, rolled, n.e.s.	—	—	1,035,447
Irons, electric	No.	496,968	4,088,680
Irons, gasoline	—	—	225,256
Ironers, electric	No.	6,225	553,287
Iron work ornamental and architectural	—	—	15,170,585
Ironing boards	No.	55,636	218,292
Irrigation equipment	—	—	1
Isobutylene	—	—	1
Jacks, auto	—	—	1
Jacks, lift, screw and ratchet	—	—	1
Jams	lb.	82,879,599	15,147,751
Javelle water	—	—	6,580,823
Jellies	lb.	7,420,160	1,377,341
Jewellery	—	—	18,195,747
Jigs and fixtures	—	—	2,277,544
Jointers, woodworking	No.	2,881	152,830
Jute, jute paddings and jute yarn	—	—	892,660
Kegs, beer	No.	5,796	119,424
Kegs, fish	—	5,636	17,905
Kegs, nail, etc.	—	1,303,674	788,630
Kegs, n.s.	—	—	92,212
Kerosene	Imp. gal.	15,003,181	2,595,884
Kettles, electric	No.	260,530	1,774,222
Kitchen equipment for hotels, cafeterias etc.	—	—	4,854,287
Kitchenware, aluminum, including pressure cookers	—	—	8,071,507
Kitchenware and ovenware, glass, (included with "Glass, pressed and blown")	—	—	—
Kitchenware, other (see also "Woodenware, kitchen")	—	—	4,268,281
Knitted fabrics:	—	—	—
Cotton stockinette, including meatwrap,	—	—	1,449,426
Cotton, not specified	lb.	2,149,408	2,767,289
Nylon	—	1,495,081	4,886,484
Rayon	—	8,848,070	3,934,172
Wool	—	—	2,013,930
Knitted goods, miscellaneous:	—	—	—
Infants' jackets, booties, etc.	doz.	317,882	5,428,505
Not specified	—	—	197,065
Knitting, custom	—	—	554,731
Knives, machine	—	—	1,559,999
Knives, bread	—	—	180,358
Labels, gummed paper	—	—	1,077,572
Labels, fabric	—	—	1,194,123
Lace, all kinds	—	—	1,539,644
Laces, corset	—	—	40,460
Laces, shoe, (silk, cotton, etc.)	—	—	1,094,783
Laces, shoe, leather	doz.	3,897	3,257
Lacquers	—	—	7,123,798
Lacrosse sticks	—	—	1
Lactose (see "Sugar of Milk")	—	—	—
Ladders, step, extension, etc.	—	—	1,605,758
Lamps, incandescent, except therapeutic (bulbs)	—	—	14,680,602

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Lamps, fluorescent (bulbs)	—	—	3, 109, 279
Lamps, photo flash	No.	20, 057, 249	1, 914, 080
Lamps, electric:			
Floor	—	—	3, 190, 349
Table	—	—	3, 665, 329
Other	—	—	441, 171
Lamps, other	—	—	301, 533
Lamp shades and wire frames	—	—	2, 514, 826
Lamp stands and lamp bases	—	—	1
Lanterns, including railway, marine, etc.	—	—	1
Lard	lb.	93, 927, 740	17, 181, 197
Lasts, trees, and shoe findings, not specified	—	—	1, 190, 979
Latex compounds	—	—	1
Latex, foamed (included in "Rubber goods, sponge and soft")	—	—	—
Lathes, metal-working	—	—	1, 308, 964
Lathes, wood-working	No.	1, 803	63, 542
Lath, metal	—	—	3, 413, 580
Lath, gypsum	sq. ft.	325, 792, 296	9, 604, 434
Laths, wood*	M.	141, 766	1, 528, 835
Laundry dryers (electric)	No.	1, 776	294, 766
Lead, naphthenate	—	—	1
Lead, refined (metal)	lb.	48, 565, 290	6, 777, 012
Lead, red	—	2, 466, 511	410, 170
Lead, white, dry	—	—	1
Lead, white, ground in oil	lb.	1, 379, 025	270, 520
Lead, sheet	—	4, 883, 012	1, 020, 341
Lead products, n.e.s.	—	—	488, 459
Lead for pencils	—	—	128, 365
Leather:			
Belting	—	—	1
Bag, case and strap	sq. ft.	1, 991, 816	881, 181
Garment	—	4, 966, 058	1, 322, 871
Glove	—	—	2, 186, 925
Harness	lb.	536, 357	324, 817
Lace	—	105, 830	188, 827
Oil tanned, shoe-pack	—	65, 997	21, 872
Sole:			
Bellies	—	1, 921, 719	564, 388
Bends	—	8, 125, 901	4, 832, 967
Shoulders	—	2, 587, 017	1, 117, 774
Upholstering (included in "Leather, not specified")	—	—	—
Upper leather:			
Calf skins	sq. ft.	9, 518, 067	5, 742, 305
Cattle and horse hides	—	49, 400, 142	15, 402, 393
Chrome splits	—	11, 782, 526	1, 678, 392
Goat skins	—	498, 438	179, 119
Sheep skins	—	883, 201	214, 288
Patent and enamelled shoe leather (included in "Other upper leather not specified")	—	—	—
Other, not specified	—	—	1, 650, 519
Leather splits, not specified	—	—	772, 322
Leather, not specified	—	—	2, 238, 345
Leather, artificial	—	—	5, 738, 580
Leather goods, not specified	—	—	202, 086
Lecithin	—	—	1
Lemon butter and cheese	—	—	1
Lenses, optical	No.	2, 444, 841	2, 754, 977
Lenses, optical, contact	—	—	1
Lenses for optical instruments	—	—	1
Life buoys, jackets, belts, etc.	No.	17, 445	135, 473
Lighter fluid	—	—	595, 499
Lighters, cigarette, and parts	—	—	1, 175, 773
Lightning rods and supplies	—	—	336, 241
Lignosulphonates	—	—	1
Lime, quick (including value of containers)	—	—	15, 488, 731
Limestone (building and monument)	—	—	3, 861, 467
Line material (See "Hardware, pole-line")	—	—	—
Linings, brake, asbestos	—	—	2, 853, 593
Linings, glove and shoe	lb.	1, 129, 646	1, 480, 783
Litharge	—	8, 763, 935	1, 357, 066
Locomotives, diesel-electric, new*	No.	244	41, 105, 438
Locomotives and car parts n.e.s.	—	—	17, 752, 311
Looms, weaving	—	—	1
Lubricating systems, automobile and other	—	—	963, 607
Lumber, matched	M. ft. b.m.	149, 334	14, 162, 239
Lumber, planed	—	3, 850, 196	282, 993, 372
Lumber, sawn	—	4, 789, 233	303, 177, 791
Lumber, not specified	—	—	904, 768
Lye	—	—	1
Macaroni and spaghetti, canned	lb.	30, 434, 801	3, 541, 312
Macaroni, vermicelli, spaghetti, etc., dry	—	75, 768, 141	9, 083, 624
Machinery:			
Accounting machines (see also "Machinery, office")	—	—	1
Adding and other calculating (see also "Machinery, office")	No.	14, 678	2, 617, 547
Bakers', mixing	—	765	632, 687
Bakers', not elsewhere specified	—	—	299, 019
Boring (metal-working)	No.	1, 886	379, 822
Bottlers'	—	—	147, 920
Canning and parts	—	—	1, 339, 997
Chlorinating	—	—	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Machinery — Concluded:			
Cleaning and pressing (included in "Laundry, cleaning and pressing")	—	—	—
Coal handling and coal pulverizing	—	—	436, 134
Concrete and cement making	—	—	4, 492, 665
Conveying and elevating (except passenger and freight elevators) and parts	—	—	13, 492, 488
Dairy, including milking machines	—	—	3, 099, 316
Flour and grist mill, not elsewhere specified	—	—	503, 098
Grain grinding, cleaning, etc.	No.	2, 486	138, 564
Grain loaders and elevators	—	—	2, 331, 358
Hoisting, except mine hoists	—	—	11, 141, 850
Kitchen and other household	—	—	758, 893
Knitting	—	—	1
Laundry, cleaning and pressing	—	—	2, 503, 552
Leather working	—	—	927, 679
Logging	—	—	1, 132, 553
Lumber and shingle drying	—	—	557, 003
Metal-working, not elsewhere specified	—	—	211, 483
Milking (included in "Machinery, dairy")	—	—	—
Milling (metal-working)	No.	16	265, 410
Mining and metallurgical, not elsewhere specified, and parts	—	—	8, 112, 629
Office, n.e.s. (See also "Accounting, adding and calculating machinery")	—	—	10, 799, 118
Oil refining	—	—	1, 035, 996
Printing	—	—	471, 764
Pulp and paper	—	—	16, 125, 982
Road and excavating	—	—	4, 478, 034
Rolling mill	—	—	2, 226, 542
Rubber mill	—	—	1, 133, 354
Saw and planing mill	—	—	2, 904, 422
Sewing	—	—	1
Ships' and fittings	—	—	6, 815, 833
Stone working	—	—	749, 431
Textile, n.e.s.	—	—	409, 513
Transmission	—	—	2, 089, 391
Vulcanizing	—	—	1
Washing machines:			
Electric	No.	219, 827	24, 229, 585
Other power	—	—	715, 184
Water softener equipment	—	—	1
Wood-working, n.e.s.	—	—	1, 310, 991
Other, not specified	—	—	9, 673, 367
Machinery parts, not specified	—	—	1, 101, 482
Magnesium products	—	—	1
Malt, made for sale	—	—	1
Malt, caramel (made for colouring) (Included in "Colours, butter, cheese and other")	—	—	—
Malt flour	—	—	108, 566
Malt extract and syrup	—	—	900, 985
Malt coomings and sprouts	—	—	1
Manganese naphthenate	—	—	1
Mantles, lamp and stove	—	—	452, 725
Manure spreaders and loaders	No.	6, 072	2, 157, 057
Maple butter	—	—	1
Maple products	—	—	1, 712, 699
Maps	—	—	889, 091
Marble chips and dust	—	—	1
Marble monuments	—	—	756, 144
Marble for building purposes	—	—	847, 984
Margarine	lb.	117, 718, 384	29, 946, 403
Marine and fishermen's supplies	lb.	21, 598, 661	147, 210
Marmalades	—	—	3, 542, 604
Match splints and match blocks	—	—	1
Matchers and planers (wood-working)	No.	1, 068	493, 362
Matches	—	—	4, 767, 115
Mats and matting, rubber	—	—	2, 670, 425
Mattresses, including air and sponge	—	—	18, 410, 784
Meal, alfalfa	ton	39, 737	2, 143, 907
Meal, cereal grass	"	10, 877	982, 933
Meal, coconut oilcake	—	—	1
Meal, corn	ton	6, 151	644, 988
Meal, fish	"	47, 909	6, 556, 378
Meal, linseed oilcake	"	61, 079	4, 657, 205
Meal, meat, hoof, lung, liver, etc.	lb.	56, 718, 442	2, 959, 331
Meal, rapeseed oil cake	ton	4, 585	247, 635
Meal, rice	—	—	1
Meal, rye	ton	295	17, 448
Meal, sunflower oilcake	—	—	1
Meal, soybean oilcake	ton	234, 616	19, 406, 619
Meats:			
Meats, fresh and frozen	lb.	1, 400, 221, 286	457, 064, 542
Poultry, fresh and frozen	"	38, 793, 338	17, 214, 775
Horse meat, fresh and frozen	"	390, 584	29, 593
Meats, cured and smoked	"	226, 878, 266	123, 748, 512
Meats cooked, and sausage	"	239, 671, 107	95, 414, 332
Meats, canned:			
Beef	"	12, 654, 076	4, 478, 011
Pork	"	29, 311, 619	19, 259, 672
Poultry	"	3, 019, 981	2, 207, 413
Miscellaneous	"	20, 116, 259	6, 092, 372
Meat scrap, cracklings, etc.	"	91, 258, 409	4, 328, 799

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Medicines and pharmaceuticals, n.e.s.:			
Registered as patent medicines (all ingredients not declared)	—	—	18, 113, 729
Ethical specialties for human use, n.e.s.	—	—	29, 575, 961
Oral antiseptics	—	—	774, 578
All other human medicines	—	—	7, 648, 112
Metal products, not specified	—	—	1, 175, 127
Meters, gasoline	—	—	1
Meters, water	—	—	1
Meters, not specified and meter parts	—	—	1, 060, 923
Methyl hydrate, crude and refined	—	—	1
Mica products	—	—	1
Military web equipment	—	—	1
Milk, sold in dairy factories	gal.	175, 297, 372	122, 900, 489
Milk, transferred to other branches of the firm	—	9, 245, 580	3, 016, 083
Milk, buttermilk, sold	—	—	1, 327, 613
Milk, buttermilk, condensed	lb.	160, 604	5, 144
Milk, condensed	—	15, 677, 555	2, 222, 643
Milk, evaporated	—	282, 128, 268	33, 404, 771
Milk, skim	—	—	2, 735, 896
Milk, skim, condensed	lb.	4, 607, 391	425, 257
Milk, skim, evaporated	—	10, 072, 826	374, 487
Milk products, not specified	—	—	2, 423, 743
Milk drinks, (see "Food drinks")	—	—	—
Milling cutters	—	—	1, 020, 653
Mincemeat	lb.	6, 630, 503	1, 192, 002
Mine timbers, props, wedges, etc.	—	—	1, 824, 918
Mirrors	—	—	3, 878, 724
Mixers, industrial	—	—	1
Modelling clay	—	—	1
Molasses	ton	44, 665	983, 276
Monuments, lettered only	—	—	551, 891
Monuments, (see "Granite", "Limestone" and "Marble")	—	—	—
Monuments, artificial stone, bases, etc.	—	—	115, 229
Mops, dish	doz.	57, 049	77, 842
Mops, floor:	—	—	—
Cellulose	—	—	—
Wet	—	13, 725	187, 835
Dry	—	159, 293	1, 149, 918
Not specified	—	68, 210	704, 879
Mops, n.e.s.	—	—	243, 990
Mop parts	—	—	225, 777
Morticians' goods	—	—	75, 575
Mortisers (wood working)	No.	106	473, 289
Motor driven appliances and equipment	—	—	46, 084
Motors, electric, A.C. and D.C. (except starting motors)	No.	1, 254, 113	1, 362, 063
Motors, other, and parts	—	—	36, 009, 257
Moulders, wood-working	No.	28	2, 194, 509
Mouldings	—	—	145, 576
Moulds and dies	—	—	10, 342, 349
Moulds for bakelite and rubber	—	—	729, 588
Mould stools, ingot	—	—	3, 196, 519
Mounting (trade work)	—	—	1
Mowers, hay (horse and tractor)	No.	7, 006	1, 335, 447
Mowers, lawn	—	80, 503	1, 389, 653
Mucilage	—	—	3, 335, 043
Muffs, fur	No.	740	148, 736
Muff beds	doz.	327	14, 011
Munitions and other war supplies	—	—	5, 663
Muriate of potash	ton	1, 746	69, 244, 894
Music, printed	—	—	94, 742
Musical powder boxes and music boxes	No.	10, 000	188, 296
Musical instruments and parts, n.e.s.	—	—	37, 691
Mustard, dry	lb.	249, 425	92, 947
Mustard, prepared	—	—	79, 416
Mustard, compound	lb.	129, 486	1, 711, 992
Nails, aluminum	—	—	38, 152
Nails, brass and copper:	—	—	240, 909
Quantity made	lb.	185, 177	—
Quantity shipped	—	179, 960	84, 826
Nails and spikes cut from plate:	—	—	—
Quantity made	kegs	12, 770	—
Quantity shipped	—	13, 634	165, 357
Nails, tacks and brads, wire:	—	—	—
Quantity made	—	1, 598, 143	—
Quantity shipped	—	1, 505, 837	12, 124, 580
Nails, horseshoe and other n.e.s.	—	—	285, 326
Naphthalene	—	—	1
Naphtha V.M. and P. or solvent*	—	—	6, 440, 096
Napkins, paper	M.	2, 342, 336	2, 729, 528
Napkins, sanitary	—	—	7, 330, 802
Neckties	doz.	898, 385	7, 147, 704
Neckwear, women's	—	19, 262	213, 002
Neck pieces, fur	No.	18, 067	714, 491
Needles, knitting machine	—	—	1
Needles, knitting, other	—	—	43, 850
Nickel-silver, n.e.s.	lb.	697, 586	437, 820
Nightdresses:	—	—	—
Cotton and flannelette	doz.	86, 933	1, 614, 762
Silk, nylon and rayon	—	123, 303	3, 072, 533
Night dresses, knitted and other n.e.s.	—	24, 428	901, 529

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Nightshirts	doz.	2, 687	73, 355
Nitrobenzol	—	—	1
Nitrogen	—	—	1
Nitrous oxide	—	—	1
Non-ferrous alloys, n.e.s.	—	—	1
Novelties, plastic	—	—	887, 175
Novelties, printed	—	—	1, 749, 253
Novelties, other	—	—	1, 040, 294
Nuts, roasted, salted, etc. (See also "Peanuts, roasted, salted") ..	—	—	3, 561, 001
Nylon fabric (See "Silk and synthetic fabrics" and "Knitted fabrics") ..	lb.	3, 657, 145	—
Oars and paddles	—	—	195, 369
Oats, rolled	ton	46, 081	6, 834, 317
Oatmeal	"	4, 615	429, 615
Offal, not specified	"	52, 948	1, 979, 778
Oil burners and parts	—	—	13, 338, 226
Oilcloth, other than floor	—	—	1
Oil, aniline	—	—	1
Oil, cocoanut, crude and processed	lb.	41, 107, 840	6, 211, 385
Oil, cooking (blended)	—	—	—
Oil, core	—	—	494, 675
Oil, corn, crude	—	—	1
Oil, corn, refined	—	—	1
Oil, cotton seed	lb.	14, 309, 514	2, 980, 929
Oil, creosote	gal.	11, 274, 458	3, 031, 541
Oil, fish (industrial)*	lb.	31, 229, 000	2, 475, 200
Oil, fish (Vitamin)*	—	—	410, 700
Oil, fish, n.s.*	gal.	910, 024	1, 053, 000
Oil, fuel:			
Aviation turbine*	Imp. gal.	57, 285, 089	9, 227, 486
Diesel*	"	430, 402, 266	59, 922, 978
Heavy fuel oil*:			
For own use	"	203, 285, 259	15, 528, 699
For sale	"	1, 057, 140, 028	79, 205, 792
Light fuel oil*:			
For own use	"	819, 953	99, 893
For sale	"	836, 304, 634	124, 539, 993
Tractor*	"	5, 607, 515	831, 150
Oil, fusel, (sold)	—	45, 414	17, 121
Oil, lard	—	—	1
Oil, light n.s.	Imp. gal.	5, 520, 517	1, 638, 460
Oil, linseed, boiled	"	506, 813	594, 437
Oil, linseed, raw	"	3, 943, 143	4, 145, 070
Oil, linseed, special	—	—	3, 718, 760
Oil, lubricating*	—	—	47, 735, 855
Oil, neatsfoot	lb.	721, 500	105, 938
Oil, oleo	"	2, 859, 390	427, 111
Oil, palm and palm kernel	—	—	1
Oil, peanut	lb.	1, 531, 494	599, 815
Oil, rapeseed	"	4, 601, 144	599, 576
Oil, soybean	"	104, 021, 848	15, 431, 801
Oil, stand blown, enamel, etc.	—	—	1
Oil, stove*	Imp. gal.	328, 496, 304	56, 085, 962
Oil, sulphonated, textile oils and other textile chemicals	lb.	5, 618, 915	962, 600
Oil, sunflower seed	—	—	1
Oil, vegetable, n.e.s.	lb.	39, 367, 880	7, 497, 021
Oil, other n.s.	—	—	1, 175, 048
Oleo stock	lb.	2, 297, 891	303, 037
Olives, bottled, etc.	gal.	678, 627	3, 320, 200
Optical equipment n.e.s.	—	—	1
Organs, electronic	—	—	1
Organs, other, and parts	—	—	1, 148, 534
Ornaments, n.s.	—	—	802, 927
Ovens, commercial, cooking	—	—	1
Ovens, industrial, electric	—	—	1, 278, 551
Overalls: (see also "Smocks, etc.")			
Bib:			
Men's and youths'	doz.	79, 159	2, 933, 227
Boys'	"	15, 196	308, 620
Coveralls:			
Men's and youths'	"	47, 040	2, 738, 190
Boys'	"	343	11, 114
Dungarees and waist band:			
Men's and youths'	"	238, 353	6, 682, 022
Boys'	"	189, 267	3, 396, 550
Overall coats (jumpers) only:			
Men's and youths'	"	13, 448	475, 853
Smocks, dusters and shop coats	"	21, 701	978, 547
Children's, all kinds	"	172, 311	2, 115, 278
Not specified	"	8, 754	296, 159
Oxygen	cu. ft.	927, 713, 308	7, 165, 890
Packing, asbestos	—	—	811, 307
Packing, rubber	lb.	1, 560, 293	614, 509
Packing, not specified	—	—	286, 419
Pads, electric, heating	No.	112, 928	407, 570
Pads, couch	"	8, 827	69, 183
Pads, shoulder	doz.	1, 791, 763	1, 678, 134
Pads, stamp	—	—	57, 909
Pads, sweat	No.	25, 426	33, 274
Pads and padding n.s.	—	—	2, 185, 846
Palls, paper	—	—	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Pails, tin	—	—	209, 147
Pails and tubs, wooden, etc.	—	—	23, 107
Painting equipment, n.s.	—	—	1, 809, 033
Paint, varnish and enamel removers	gal.	136, 532	367, 789
Paints, cement	—	—	177, 888
Paint, latex emulsion	gal.	2, 502, 909	9, 538, 023
Paints, water-thinned:			
Resin emulsion paints, paste and semi-paint form:			
Interior	"	223, 949	736, 435
Exterior	"	28, 895	92, 318
Casein and other protein bound, (cold water paints):			
Interior	—	—	244, 424
Exterior	—	—	304, 040
Texture-type water paints	lb.	1, 385, 023	117, 785
Calcimines:			
Hot water	"	961, 496	109, 657
Cold water	"	—	—
Paints, ready mixed (including asphalt and tar)	gal.	10, 855, 556	40, 234, 274
Paints, paste (not including water-paste paints)	lb.	2, 626, 727	712, 902
Paints and enamels, other (see also "Enamels")	—	—	516, 753
Pallets (skids)	—	—	1, 161, 151
Pants, breeches, etc.:			
Breeches:			
Men's and youths':			
Wool and wool mixtures	doz.	8, 948	426, 010
Boys':			
Cotton	—	—	1
Wool and wool mixtures	doz.	8, 733	200, 291
Pants and slacks, flae, separate, dress and sport:			
Men's and youths':			
Cotton or chiefly cotton	No.	160, 240	495, 555
Rayon	"	836, 351	3, 765, 673
Rayon mixtures, chiefly rayon	"	983, 248	4, 212, 942
Wool	"	830, 913	7, 858, 756
Wool mixtures, chiefly wool	"	274, 160	1, 681, 151
Boys':			
Cotton or chiefly cotton	"	147, 088	334, 749
Rayon	"	384, 772	991, 263
Rayon mixtures, chiefly rayon	"	493, 408	1, 206, 651
Wool	"	125, 024	506, 337
Wool mixtures, chiefly wool	"	241, 470	636, 568
Pants, soccer, hockey, etc.	—	—	232, 850
Pants, uniform, separate:			
Men's and youths':			
Military	No.	277, 856	1, 333, 006
Non-military	"	104, 294	1, 096, 223
Pants, work:			
Men's and youths':			
Cotton	doz.	166, 358	5, 568, 805
Wool and wool mixtures	"	34, 945	1, 703, 725
Not specified	—	—	—
Boys':			
Cotton	doz.	21, 465	509, 173
Wool and wool mixtures	"	13, 032	365, 032
Not specified	—	—	855, 642
Pants, baby (plastic, rubber, etc.)	—	—	92, 709
Pants, rubberized and oiled	doz.	2, 444	248, 886
Pants, not specified	—	—	—
Paper:			
Adding machine and cash register	—	—	657, 486
Asbestos	—	—	1
Biotting, clay coated and enamelled	—	—	1
Blue print and photostat	—	—	2, 355, 452
Book (basic)	ton	94, 648	22, 083, 324
Box cover, coloured	—	—	1
Writing pads, tablets, etc.	—	—	1, 154, 372
Building and roofing paper:			
Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	2, 688, 999	17, 635, 756
Mineral surfaced rag and asbestos felt roll roofing	"	845, 813	2, 652, 533
Smooth surfaced rag and asbestos roll roofing	"	1, 059, 438	2, 447, 707
Roll type rag and asbestos felt siding	"	268, 981	924, 992
Tar and asphalt saturated rag and asbestos felts, not coated	ton	48, 432	4, 554, 562
Tar and asphalt saturated and or coated sheathings	"	16, 856	2, 374, 788
Other felts and sheathings	—	—	1
Insulated siding	square	311, 999	3, 194, 025
Building papers, n.s. (basic)	ton	85, 906	6, 561, 915
Carbon	—	—	2, 707, 532
Cigarette tubes and paper	—	—	1, 479, 303
Coated and other paper n.e.s.	—	—	7, 321, 302
Corrugated (paper and wrappers)	—	—	995, 254
Creped or crinkled	lb.	1, 437, 839	732, 156
Fabric	—	—	1
Fine (basic)	ton	115, 515	37, 265, 677
Foil backed	lb.	2, 224, 830	762, 098
Foolscap	ream	127, 113	188, 296
Friction or flint glazed	—	—	1
Gumed (in sheets)	—	—	1
Special, industrial	ton	8, 722	2, 536, 289
Lining, pan, shelf, etc.	—	—	652, 488

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Paper - Concluded:			\$
Parchment, vegetable	—	—	1
Paper napkins and doilies (see "Napkins" and "Doilies")	—	—	—
Newsprint paper: (basic):			
In sheets, for printing	ton	62,977	8,412,773
In rolls for printing	"	5,890,180	644,964,445
Side runs for pulping	"	23,551	1,442,488
Counter rolls	—	—	1
Other	ton	—	—
Printing and specialty paper, ground wood	"	37,286	3,952,267
Safety paper, for cheques, etc.	—	59,190	9,264,806
Sanitary (basic)	—	—	1,056,717
Tissue, converted	ton	83,757	18,335,452
Tissue, other than sanitary, (basic stock)	—	—	1
Toilet, converted	ton	10,886	3,663,247
Towels, paper (see "Towels")	case	1,712,865	13,192,263
Typewriter	—	—	450,122
Wall paper	—	—	1
Waterproofed, other than waxed, n.e.s.	—	—	1
Waxed paper:			
Bread wrappers	lb.	31,841,797	7,087,452
Other, plain and printed	"	45,554,430	9,808,084
Wrapping paper: (basic stock):			
Unbleached sulphate kraft No. 1 and 2	ton	197,331	37,229,664
Bleached sulphate or sulphite	"	27,121	7,913,584
Unbleached and semi-bleached sulphite and sulphate	"	5,324	1,323,498
Miscellaneous furnishes	"	15,413	2,742,981
Wrapping, special	—	—	1
Paper, miscellaneous, n.e.s. (converted)	—	—	597,792
Paper goods	—	—	1,072,488
Paper board:			
Box board (basic stock)	ton	419,612	53,971,747
Container board:			
Container chip (basic stock)	"	3,465	306,358
Corrugating board (basic stock)	"	131,678	15,984,824
Liners (basic stock)	"	243,764	31,811,172
Mounting board, photo, etc.	—	—	1
Clay coated and enamelled	—	—	1
Coated other, not specified	—	—	4,802,339
Wallboard, building board, n.e.s.	sq. ft.	43,986,738	1,946,524
All other board and paper n.e.s.	—	—	1,759,469
Paperies (stationery in boxes) (See also "Paper—writing pads, tablets, etc.")	—	—	742,549
Parachutes and parachute equipment	—	—	1
Parafilm	—	—	1
Paraldehyde	—	—	1
Paste, adhesive	—	—	708,111
Paste, meat and chicken	lb.	3,958,028	1,871,952
Paste, flavouring	"	194,075	65,659
Paste, tooth (see "Dentifrices")	—	—	—
Patterns and models, foundry and other, wood and metal	—	—	2,266,373
Patterns, paper	—	—	1,410,899
Peanut butter	lb.	25,817,732	7,988,844
Peanuts, roasted and salted (for sale) (see also "Nuts, salted etc.)	"	20,870,952	7,252,245
Pearls, artificial and simulated	—	—	964,760
Peavies, cant hooks and pike poles	—	—	505,581
Pectin	—	—	1
Pencils, non-mechanical	gros	565,888	2,478,838
Pencils, mechanical	doz.	93,694	602,877
Pencil parts	—	—	51,146
Penicillin (included in "Antibiotics")	—	—	2,366,945
Penicillin preparations	—	—	1,498,223
Penicillin - streptomycin preparations	—	—	137,047
Pennants	—	—	5,230,138
Pens, fountain and ball point	doz.	822,038	800,373
Pens, fountain, ball point and other, parts	—	—	1
Pentythritol	—	—	1
Pentanol acetate	—	—	1
Perchlorethylene	—	—	1
Percolators, electric - See "Coffee-makers, electric"	—	—	—
Perfumes	—	—	1,270,328
Periodicals, printed by publishers:			
Newspapers daily:			
Gross revenue from advertising	—	—	116,112,974
Subscriptions and sales	—	—	42,491,938
Newspapers, weekly and other:			
Gross revenue from advertising	—	—	29,350,657
Subscriptions and sales	—	—	11,485,779
Magazines:			
Gross revenue from advertising	—	—	14,280,092
Subscriptions and sales	—	—	6,044,537
Other publications:			
Gross revenue from advertising	—	—	34,877,992
Subscriptions and sales	—	—	11,106,195
Petrochemical feed stocks	—	—	1
Phenol	—	—	1
Phenacetin	—	—	1
Phonographs, electrically operated (included with "Record players—electrically operated")	—	—	1
Phosphorus	—	—	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1934 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Phosphorus sesquisulphide	—	—	1
Photo-engraving	—	—	11,052,640
Photographic materials, n.e.s. (including photo paper)	—	—	3,979,739
Photography (Commercial)	—	—	592,463
Phthalic anhydride	—	—	1
Pianos:			
Grand	No.	65	71,111
Upright	"	5,935	2,288,603
Piano strings and other parts	—	—	564,928
Pickets, wood*	M.	8,028	852,761
Pickles, relishes and sauces (see also "Tomato Catsup")	gal.	6,240,074	12,683,764
Picrite	—	—	1
Pictures, framed	—	—	907,778
Pictures and mirror frames	—	—	860,422
Pies, cakes and pastry (see also "Puddings, cakes, etc., canned")	—	—	72,127,030
Pies, meat	—	—	1,301,824
Piling, sheet	—	—	1
Pillow cases (included in "Sheets and pillow cases, cotton.")	—	—	—
Pillow cotton (included in "Cotton fabrics, broad woven")	—	—	—
Pillows	—	—	1,464,077
Pins, plain, hair, and including bobby pins	—	—	1,175,075
Pipe, culvert, sheet metal	ton	34,739	11,204,822
Pipe, sewer, clay	—	—	3,252,691
Pipe, sewer and culvert, cement	—	—	11,631,582
Pipe, lead	lb.	2,728,420	639,901
Pipe, steel, rivetted and welded	ton	3,563	1,046,091
Pipe, wooden	—	—	1,201,597
Pipe and fittings, brass, bronze and copper	—	—	918,902
Pipe and fittings, cast iron, soil	ton	61,997	11,778,023
Pipe and fittings, cast iron, water	"	108,508	12,598,496
Pipe and fittings, cast iron, other	"	8,879	3,681,358
Pipe and fittings, malleable iron	"	7,043	4,962,293
Pipe and fittings, steel, n.e.s.	—	—	33,710,086
Pipe and fittings, n.e.s.	—	—	1,196,774
Pipe and tubing, copper	—	—	1
Pipes and elbows, furnace	—	—	1,081,272
Pipes and elbows, stove	—	—	1,236,906
Pipes, tobacco	doz.	6,029	62,741
Pipes, tobacco (parts and accessories)	—	—	23,195
Piston rings, automobile	No.	16,882,585	2,878,675
Pistons, automobile, and piston ring expanders	—	—	1,398,870
Pitch	ton	135,912	4,756,895
Planers, metal-working	—	—	1
Planers, wood-working (included in "Matchers")	—	—	—
Planing, custom	M. ft. b. m.	867,252	6,562,261
Planters, corn	No.	2,423	314,510
Plastics, primary (see "Synthetic resins")	—	—	—
Plate and tank work, steel, miscellaneous	ton	13,323	16,180,515
Plate, black, not specified	"	51,652	7,106,319
Plates, sheets and strips, brass, copper, etc.,	"	21,260	18,696,987
Plates, all kinds including boiler and other sheared plates	"	201,524	20,568,611
Plates, metal, license, name, etc.	—	—	1,713,093
Plates and frames, addressograph	—	—	1
Plates, forks and spoons, paper	M.	71,933	421,999
Plating, galvanizing salts	—	—	1
Platinum, refined, and other platinum products	—	—	971,502
Play ground, track and field equipment	—	—	108,730
Play yards	—	—	88,850
Ploughs, agricultural:			
Disc	No.	1,437	575,664
Harrow ploughs, one-way discs, tiller combines	"	8,006	4,048,150
Mouldboard	"	10,938	2,193,007
Walking	"	719	16,269
Other	"	2,349	194,864
Ploughs, snow (included in "Snow removal equipment")	—	—	—
Plugs, wooden	—	—	362,090
Plumbers' supplies, not elsewhere specified (Brass, copper, etc.)	—	—	15,460,097
Plywood*	M. sq. ft.	890,162	67,491,543
Poison, gopher and rat	—	—	252,156
Polish, furniture	—	—	1,079,182
Polish, metal	—	—	248,910
Polish, shoe	—	—	1,177,320
Polish, stove	—	—	53,930
Polishes and waxes, floor	—	—	11,347,912
Polishes and dressings, automobile	—	—	591,324
Polishes and dressings, n.s.	—	—	285,187
Polishers, floor, electric and other	—	—	4,606,588
Polishing mits and cloths	—	—	25,848
Popcorn	lb.	4,693,708	2,255,256
Post cards, printed	—	—	757,073
Posts, steel, fence	ton	4,369	533,071
Post hole diggers	—	—	1
Potassium chlorate	—	—	1
Potato chips, (factory made)	lb.	17,488,754	9,334,960
Potato pickers and diggers	—	—	42,664
Pot holders and oven mits	doz.	43,831	61,592
Pot scourers	—	—	618,063
Pottery, glazed and unglazed	—	—	335,771

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Pottery from imported clay	—	—	\$
Poultry (see "Meats")	—	—	1
Powder, baking	lb.	9,550,012	2,525,107
Powder, buttermilk	"	5,200,657	338,513
Powder, cream	—	—	1
Powder, custard	lb.	620,198	207,484
Powder, egg	"	940,653	1,434,009
Powder, food drinks	"	1,283,401	772,740
Powder, ice cream	"	1,646,146	720,334
Powder, jelly	"	14,207,994	5,401,084
Powder, whole milk	"	20,238,659	5,617,881
Powder, malted milk	—	—	115,039
Powder, skim milk	lb.	81,009,926	7,510,293
Powder, pudding (includes powders, pie filling)	"	21,959,726	7,788,374
Powder, whey	"	5,499,110	285,128
Powder, edible, n.e.s.	"	1,645,164	1,013,616
Powder, bronze, iron and aluminum	"	4,973,340	1,168,878
Powder, sachet	—	—	125,855
Powder, talcum and face	—	—	2,119,705
Power units	No.	196	14,852
Precious metal salts	—	—	1
Presses, tennis and badminton racquet	—	—	1
Presses, baling	—	—	1
Presses, hydraulic, and other power	—	—	1,969,601
Pressure cookers (included under "Kitchenware, aluminum")	—	—	1
Printing, not elsewhere specified:	—	—	—
Circular letters	—	—	2,519,321
General, for trade	—	—	1,169,286
Custom printing, (Paper supplied by customer)	—	—	3,404,078
Private and personal	—	—	2,524,349
Blue prints and photostats	—	—	1,074,533
Box covers, coloured	—	—	228,918
Periodicals printed for publishers	—	—	21,544,914
Other printed matter; menus, statements, bank notes, programmes, etc. (see also "Advertising matter")	—	—	15,416,430
Printing and painting on textile fabrics	—	—	1,678,914
Projectors	—	—	1
Propane (Included in "Gases, liquifying petroleum")	—	—	1
Propellers and shafts	—	—	1
Publications, subscriptions and sales (see "Printing and Periodicals")	—	—	1
Puddings, cakes, etc., canned and other	lb.	683,851	290,786
Puffs, powder	—	—	190,031
Pulleys, wood and other	—	—	850,705
Pulp, fruit (see "Fruit pulp")	—	—	—
Pulpstones, artificial	—	—	—
Pulpwood (produced in Sawmills)	cds.	318,181	10,890,908
Pulp chips	—	—	13,167,989
Pulp, wood:	—	—	—
Ground wood:	—	—	—
Quantity made	s. ton	5,337,610	—
Quantity sold	"	280,456	19,049,363
Sulphate:	—	—	—
Quantity made	"	1,386,127	—
Quantity sold	"	923,613	113,889,416
Sulphite, bleached:	—	—	—
Quantity made	"	953,967	—
Quantity sold	"	872,993	127,219,596
Sulphite unbleached:	—	—	—
Quantity made	"	1,653,324	—
Quantity sold	"	456,192	48,955,565
Screenings:	—	—	—
Quantity made	"	103,193	—
Quantity sold	"	39,218	1,036,913
Defibrated or exploded wood:	—	—	—
Quantity made	"	113,266	3,228,272
Other:	—	—	—
Quantity made	"	125,529	—
Quantity sold	"	47,450	5,826,780
Pumps:	—	—	—
Centrifugal	No.	33,179	7,253,325
Cistern and pitcher	"	23,369	144,800
Deep well	"	1,407	35,817
Rotary	"	7,840	903,509
Sump	"	24,784	1,128,475
Vacuum	"	896	538,710
Steam	"	2,340	1,503,004
Other power pumps	—	—	3,171,233
Gasoline dispensing pumps	—	—	3,206,198
Hand pumps	No.	8,405	141,425
Household water systems	"	42,472	4,359,390
Pump jacks	"	3,052	86,281
Pumps and pump parts n.e.s.	—	—	2,800,035
Punching machines	—	—	1
Purses, pocket-books and folders	—	—	2,003,105
Putty and fillers, n.e.s.	lb.	10,340,913	768,739
Pyjamas:	—	—	—
Cotton and flannelette	doz.	399,267	8,295,182
Rayon and rayon mixtures	"	31,181	854,845
Not specified	—	—	1,922,959

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Pyridine	—	—	1
Pyrometers	—	—	61,476
Pyrotechnics and fireworks	—	—	1,107,300
Quilted goods	yd.	3,441,338	2,182,616
Quilts, bedspreads, etc.	doz.	16,686	595,858
Racquets, tennis, badminton	No.	37,853	191,994
Radar equipment (see "Radio communication equipment")	—	—	30,753,405
Radiators, automobile	—	—	4,671,791
Radiator and boiler compounds	—	—	168,553
Radiators, heating, concealed type	—	—	5,600,759
Radiators, heating, standing type	—	—	3,133,939
Radiators and parts, heating, n.s.	—	—	246,315
Radio communication equipment	—	—	36,416,228
Radio sets, tubes and accessories	—	—	51,968,603
Rafters, roof trusses and beams, laminated	—	—	2,882,208
Rail anchors	—	—	1
Rails, iron or steel:			
Quantity made	ton	241,922	—
Quantity shipped	"	232,484	21,421,531
Rail frogs, switches and other track equipment	—	—	9,931,388
Railway car coach fittings, bearings, etc.	—	—	4,909,915
Rakes, hand	—	—	1
Rayon fabrics (See "Silk and synthetic fabrics and "Knitted fabrics")	—	—	—
Razor blades	No.	174,307,696	3,588,932
Razors, safety, electric and other	"	592,018	3,570,286
Recorders, time	—	—	1
Recorders, wire or tape	—	—	1
Records, phonograph	No.	10,051,749	5,343,608
Record players, electrically operated	—	115,550	2,939,305
Rectifiers for storage battery charging and parts	—	—	909,101
Reels for wire rope and hose	—	—	1
Refractories:			
Cement, high temperature	ton	4,810	506,754
Firebrick from domestic clay	No.	2,416,118	230,907
Firebrick from imported clay	—	—	1,928,600
Other	—	—	7,014,650
Refrigerators and refrigeration equipment, n.e.s.:			
Household, mechanical, complete (electric and gas)	No.	230,092	44,063,531
Household, ice refrigerators:			
Metal	"	50	5,000
Wood	"	1,279	55,775
Commercial, wood	—	—	147,238
Steel cabinets for mechanical refrigerators	No.	2,698	107,191
Fixtures:			
Display cases, normal temperature	"	2,348	1,732,552
Display cases, other	"	1,089	522,468
Low temperature refrigerators	"	490	471,999
Reach-ins, all sizes	"	1,761	644,524
Walk-in coolers	"	462	420,524
Refrigerator parts	—	—	702,065
Refrigeration equipment n.e.s.	—	—	7,932,707
Regalia, n.e.s.	—	—	2,124,536
Registers, cash	—	—	1
Registers and grills, air	—	—	1,841,595
Regulators, temperature	No.	83,687	336,186
Remedies, stock and poultry	—	—	2,420,751
Rennet (included in "Colours, food")	—	—	—
Repair gums and fabric	lb.	679,677	586,697
Repair kits	No.	773,040	297,959
Repair patches, tire and tube	—	—	1,130,718
Resin film and resin film products	—	—	7,137,782
Resin coating, synthetic	—	—	1
Resins, vinyl acetate	—	—	1
Ribbons	—	—	3,009,443
Rice, cleaned, etc.	—	—	1
Rifles and shot guns (see "Firearms")	—	—	—
Rings, fruit jar, rubber	lb.	964,645	539,931
Rings, fruit jar, zinc	—	—	1
Rockwool (See "Wool, mineral")	—	—	—
Rods, copper wire	—	—	1
Rods, iron and steel, wire:			
Quantity made	ton	275,121	—
Quantity shipped	"	274,870	26,848,014
Roll covering, rubber	lb.	329,032	693,944
Rollers, land and land packers	—	—	294,621
Rollers, printers	—	—	676,912
Rolls, rubber covered	No.	268,721	1,011,510
Rolls, bending and straightening	"	322	103,143
Roof deck (metal)	—	—	1,759,075
Roofing, aluminum	—	—	1
Roofing preparations, n.e.s.	—	—	1,367,267
Rope:			
Manilla	lb.	5,650,321	2,337,861
Sisal	"	4,097,715	1,242,080
Jute and hemp	"	195,180	104,282
All other	"	413,022	560,270
Rubber, reclaimed, dispersions and other	—	—	1
Rubber and rubber goods, hard	lb.	193,001	171,213

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Rubber coverings, linings, etc.	lb.	435,985	1,139,086
Rubber goods, moulded	—	—	1,771,133
Rubber goods, plumbers'	—	—	1,662,769
Rubber goods, sanitary, n.e.s.	doz.	401,574	101,859
Rubber goods, soft and sponge (including foamed latex)	—	—	8,491,556
Rubber automotive and aeroplane parts	lb.	7,238,276	4,081,734
Rubber goods, not specified	—	—	1,772,457
Rubber thread	lb.	618,790	1,146,022
Rubber, synthetic	"	195,819,062	45,508,824
Rugs, automobile	No.	82,475	373,696
Rules, wooden	—	—	268,472
Ruling (printing plants)	—	—	731,224
Rust preventatives and removers	—	—	603,353
Saddles	No.	1,503	78,339
Saddle parts	—	—	26,612
Safes, vaults and fittings	—	—	2,060,820
Sails	No.	880	89,252
Salt	—	—	9,854,135
Salt, curing	—	—	1
Sanders (woodworking)	No.	1,817	110,340
Sandstone (building)	—	—	117,826
Sandwich relish and spread (see also "Paste, meat and chicken")	lb.	5,311,440	1,632,757
Sanitary ware	—	—	19,423,012
Sash, doors and other mill work	—	—	66,807,575
Sash, aluminum, brass, etc. Included in "Windows, complete, aluminum and other"	—	—	1
Sash balances, metal	—	—	1
Sauces, catsups and relishes (see "Tomato catsup" "Pickles, relishes, etc.")	—	—	1
Sauerkraut, canned	lb.	6,765,701	561,939
Sausage casings	—	—	9,072,619
Sausage (See "Meats cooked, and sausage")	—	—	1,045,974
Sawdust and waste, sold	—	—	317,297
Sawing, lumber, custom	—	—	10,353,585
Saws, all kinds	—	—	1,042,921
Saw parts and saw benches	—	—	1
Scales	No.	26,183	2,354,184
Scarves	doz.	268,996	2,269,787
School supplies, not specified	—	—	113,030
Scientific equipment, not specified	—	—	3,452,616
Scissors and shears	No.	233,405	50,170
Scrap, aluminum	—	—	1
Scrap, brass, bronze and copper	lb.	12,472,701	2,340,862
Screenings, barley, etc.	ton	44,407	1,930,803
Screens, window	—	—	1
Screens, industrial	—	—	1,058,717
Screens, projection	—	—	1
Screens, n.e.s.	—	—	1
Screws and screw machine products	—	—	16,421,208
Scufflers	No.	2,354	53,522
Scythes and snaths	—	—	1
Seals	—	—	338,377
Searchlights, floodlights, etc. (see "Fixtures, lighting")	—	—	1,696,227
Seasonings, dry and liquid	—	—	886,006
Seed boxes for one-way discs, etc.	No.	7,383	1
Shades, window, shade cloth and fittings:	—	—	2,281,441
Ordinary shades and blinds	—	—	5,264,691
Venetian blinds, all kinds, including strips	—	—	784,343
Shade cloth, rollers, etc.	—	—	2,049,360
Shakes, processed and stained (building purposes)	square	278,610	24,206
Shapers, metal-working	No.	6	21,320
Shapers, wood-working	"	105	1
Sharpeners, pencil	—	—	1
Sharpening stones and files	—	—	234,575
Shawls	—	—	1
Shearing machines, metal working	—	—	1
Sheet forms, commercial, etc., printed	—	—	43,757,229
Sheeting, cotton (included in "Cotton fabrics broad woven")	—	—	6,333,506
Sheets and pillow cases, cotton	—	—	345,478
Sheets and sheeting, plastic, rubber and waterproofed	—	—	11,428,861
Sheet metal building materials, n.e.s.	—	—	1
Sheets, aluminum	—	—	116,022,191
Sheets, hoops, strips, skelp (iron and steel, rolled and drawn) and tin plate, galvanized sheets, etc.	—	—	1,070,805
Shellac	—	—	117,171
Shields, dress	—	—	255,161
Shims, railroad and other	—	—	147,933
Shingle bands	—	—	1
Shingles, asbestos	—	—	1
Shingles, wooden	square	2,771,367	25,098,950
Shipbuilding and repairs*	—	—	180,286,323
Shirts, fine, men's, youths' and boys'	—	—	19,594,029
Cotton	doz.	736,723	2,644,080
Silk, rayon and nylon	"	75,582	108,229
Shirts for formal wear	"	2,401	6,921,750
Shirts, work, men's, youths' and boys'	"	—	748,068
Cotton	"	309,347	13,509,020
Wool and wool mixtures	"	25,018	5,498,801
Shirts, sport, men's, youths' and boys'	"	479,509	—
Shirts, T-Shirts	"	598,282	—

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Shirts, sweat, jerseys, etc.	doz.	101,315	1,093,105
Shirts, not specified	"	96,839	1,697,653
Shock absorbers, automobile	No.	1,100,350	1,786,436
Shoddy, mungo and wool extract (see "Wool or part wool, reworked or reprocessed")			
Shoe materials, pyroxylin coated (included in "Fabrics, coated and impregnated")			
Shoe trimmings	—	—	151,739
Shoe uppers and tops	pr.	81,519	212,343
Shooks, box	M. ft. b. m.	73,706	7,789,338
Shortening:			
Containing animal fat and marine oil	lb.	88,645,320	20,282,052
Wholly vegetable	"	68,461,133	17,025,462
Shorts and middlings	ton	368,764	17,866,474
Shovels, hand	—	—	154,723
Shovels, power	—	—	1,177,949
Shuttlecocks, badminton	—	—	1
Signal systems (traffic, fire alarms, etc.)	—	—	2,393,702
Signs, electric, gas, neon and other luminous	—	—	7,619,650
Signs, metal, etc.	—	—	5,974,246
Silicon carbide, crude	ton	50,321	6,944,862
Silico manganese, silico spiegel, etc. (included in "Ferro-alloys")			
Silk and synthetic fabrics, broadwoven:	yd.	181,536	215,285
All silk and mixtures containing silk			
All continuous filament synthetic yarn:	"	38,588,402	23,908,295
Rayon (See also "Knitted fabrics")	"	5,405,421	4,451,479
Nylon (See also "Knitted fabrics")	"	2,765,868	2,086,996
Other	"	19,165,799	13,960,680
All spun rayon	"	4,317,172	3,444,425
Mixtures of continuous filament rayon and spun rayon	"	6,603,321	4,087,610
Mixtures of continuous filament rayon and cotton	"	963,131	1,040,863
Mixtures of spun rayon and cotton	"	331,436	440,428
Mixtures of rayon and wool	"	4,862,388	4,395,709
Other synthetic mixtures	"	—	1
Silos	—	—	713,925
Silver alloys	—	—	900,530
Silver, fine	—	—	1,607,452
Silver, sterling, melted, rolled, etc.	lb.	16,252,596	1,421,368
Size	pr.	580,079	1,070,508
Skates, ice	"	64,419	174,395
Skates, roller	—	—	8,356
Skate equipment	pr.	45,133	241,128
Skis	—	—	64,729
Ski poles and fittings	No.	798,267	2,466,300
Skins, calf	—	—	1,707,998
Skins, sheep	—	—	1
Skins, pickled	—	—	1,781,845
Skins, dressed (excluding raw)	—	—	394,877
Skins and cages (mining and metallurgical)	—	—	
Skirts:			
Cotton	No.	1,041,560	3,114,901
Rayon and mixtures	"	1,893,861	5,637,254
Woolen	"	1,391,005	7,810,118
Other	"	144,931	560,659
Slabs and edgings	cord	714,762	2,566,515
Sleighs, baby	No.	9,721	36,786
Sleighs, children's	"	114,424	253,781
Sleighs, dog	—	—	1
Sleighs, horse-drawn, etc. (see also "Vehicles, farm sleighs, etc.")	No.	94	14,348
Slicers, meat and bread	—	—	1
Slippers: (See also "Footwear, felt"):			
Babies'	pr.	54,871	85,384
Boys'	"	67,390	115,133
Children's, including little gents	"	241,149	353,306
Men's	"	752,105	1,784,952
Misses'	"	207,360	275,515
Women's and growing girls'	"	980,591	2,127,927
Youths'	"	59,616	83,059
Slippers, Indian:			
Babies'	"	16,121	20,513
Boys'	"	27,317	47,955
Children's, including little gents	"	248,442	230,740
Men's	"	168,005	396,872
Misses'	"	448,134	450,028
Women's and growing girls'	"	1,509,139	2,063,262
Youths'	"	221,282	241,572
Slippers, not specified	—	—	362,542
Smelter and refinery products	—	—	922,578,998
Smocks, women's	doz.	16,535	451,763
Smoke breaching	ton	389	142,701
Smoker sets and smokers' supplies, n.e.s.	—	—	585,172
Smokestacks, steel	—	—	219,486
Snow shoes	—	—	21,875
Snowmobiles and parts	—	—	1
Snow removal equipment	—	—	1,766,316
Soap:			
Castile	lb.	798,404	187,365
Household and laundry (Bars)	"	18,720,154	3,010,002
Household and laundry (Chips and flakes)	"	18,785,280	3,539,528
Liquid, not specified	—	—	1,410,971

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Soap—Concluded:			
Polishing or scouring.....	lb.	85,631	8,525
Powder.....	"	63,022,529	11,934,538
Soft.....	"	3,972,853	446,924
Textile and mill.....	"	4,146,076	507,654
Toilet (bars and liquid).....	"	39,130,975	12,240,547
Shaving, incl. shaving creams.....	"	1,785,178	2,375,245
Hand soap and pastes, mechanics.....	"	2,842,116	415,138
Hard, all other.....	"	575,578	59,779
Soap, not specified.....	"	—	431,370
Soap stock.....	lb.	10,057,819	125,321
Sodium azide.....	—	—	1
Sodium benzoate.....	—	—	1
Sodium carbonate.....	—	—	1
Sodium carboxymethyl cellulose (See "Carboxel").....	—	—	1
Sodium chlorate.....	—	—	1
Sodium cyanide.....	—	—	1
Sodium hydroxide.....	lb.	294,250,410	8,340,213
Sodium hypochlorite.....	—	—	1
Sodium metabisulphite.....	—	—	1
Sodium metasilicate.....	—	—	1
Sodium phosphate, monosodium, disodium, trisodium and tetrasodium.....	—	—	1
Sodium pyrophosphate.....	—	—	1
Sodium silicate.....	—	—	1
Sodium sulphate and sulphite.....	—	—	1
Sodium sulphamethazin.....	—	—	1
Sodium thiosulphite.....	—	—	1
Sodium tripolyphosphate.....	—	—	1
Solder.....	lb.	10,356,093	4,591,640
Soling, rubber:			
Rubber and composition soles.....	pr.	4,939,614	1,849,793
Rubber and composition half-soles.....	"	854,505	258,000
Soling and slabs for heels, rubber.....	lb.	11,772,476	3,410,107
Soles, tap and other, leather.....	pr.	3,432,873	1,794,728
Soles, felt and other (insoles).....	—	—	897,033
Soup, canned (excluding infants' soups).....	lb.	212,397,846	34,104,633
Soup, dehydrated.....	"	574,366	460,667
Soup mixtures.....	"	6,728,652	5,265,540
Soup filler or cracker meal.....	"	3,263,494	312,844
Soya bean products, n.e.s.....	—	—	1
Spades and shovels.....	No.	754,308	1,133,053
Spark plugs.....	"	26,022,091	7,532,082
Spectacles, complete See "Glasses, sight".			
Speed reducer units.....	No.	258	1,974,869
Spice compound.....	lb.	199,319	92,638
Spices, mixed, whole or ground.....	"	4,471,974	4,085,353
Spikes, railway.....	ton	11,393	1,685,033
Spikes, other.....	—	—	99,858
Spinning, custom.....	—	—	3,933,344
Spinnings, metal, etc.....	—	—	88,295
Spirits, produced during the year but placed in bond for maturing:			
Neutral spirits, grain.....	pf. gal.	19,011,117	13,140,395
Neutral spirits, molasses.....	—	643,131	280,453
Neutral spirits, fruit.....	—	—	1
Spirits, beverage, sold outside the Distilling Industry:			
Whiskey, Highland type.....	pf. gal.	159,959	1,320,080
Whiskey, Rye type.....	"	10,015,077	79,409,070
Whiskey, other types.....	"	17,840	144,426
Gin.....	"	1,032,459	5,920,341
Brandy.....	"	33,513	319,762
Rum.....	"	424,387	3,081,848
Other beverage spirits.....	"	262,943	1,212,210
Sponges, cellulose.....	—	—	1
Spools, bobbins and shuttles.....	—	—	1,012,389
Sport gloves and mitts.....	—	—	1,132,952
Sporting goods, not specified.....	—	—	640,308
Spraying and dusting machines and equipment, including hand sprayers.....	No.	3,770	1,351,801
Springs, automobile, chassis.....	—	—	7,551,803
Springs, bed:			
Box.....	No.	159,315	3,538,437
Coil.....	"	25,263	170,599
Cable.....	"	118,773	519,352
Link.....	"	69,244	568,528
Slat.....	"	244,748	2,411,638
Bed, n.e.s.....	—	—	469,782
Springs (upholstering) and constructions for automobiles and trucks.....	—	—	6,368,237
Springs, upholstering, other.....	—	—	2,438,105
Springs, for cars and locomotives.....	—	—	1,134,459
Springs, n.e.s.....	—	—	3,024,887
Squares, hardwood.....	M. ft. b. m.	11,901	1,438,358
Stabilizers, ice cream, etc.....	lb.	128,497	69,625
Stains.....	gal.	352,970	893,814
Stampings, metal, n.e.s.....	—	—	8,372,115
Stamps, rubber.....	—	—	1,159,338
Stamps, postage, revenue, etc.....	—	—	1,164,115
Stamps, not specified.....	—	—	140,858
Staples, wire.....	kegs	28,124	279,849
Starch, corn, edible.....	—	—	1
Starch, corn, laundry.....	—	—	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Starch and flour, potato	—	—	1
Starch, wheat	—	—	1
Starch, blended	—	—	1
Starch, n.e.s.	—	—	1
Stationery goods, not specified	—	—	818,653
Statues, art goods and church supplies	—	—	1,126,503
Staves, barrel	M.	22,943	722,157
Steam traps, etc.	—	—	1,375,618
Stearine	lb.	1,429,257	157,806
Steel erected (structural work):			
Bridges	ton	23,570	9,860,317
Buildings	—	—	82,606,976
Transmission towers	ton	23,599	6,361,876
Other	—	18,898	7,980,593
Steel shapes, structural (angles, channels, tees, etc.)	—	—	—
Quantity made	"	187,178	—
Quantity shipped	"	183,780	21,307,137
Steel and alloy steel ingots:			
Quantity made	"	3,113,791	—
Quantity shipped	"	5,576	1,021,493
Steel, miscellaneous	—	—	30,175,357
Steel wool	—	—	1
Stellite	—	—	1
Steepwater	—	—	1
Stencils	—	—	343,215
Stockinette (see "Knitted Fabrics")	—	—	—
Stocking dryers	—	—	13,306
Stokers, mechanical	No.	1,345	1,085,558
Stoker parts	—	—	364,443
Stone, artificial	—	—	3,135,229
Store fixtures n.e.s.	—	—	178,556
Stoves, heating and cooking:			
Coal, wood or sawdust	No.	72,611	3,695,620
Solid fuel or oil with electric or gas combination	"	17,556	3,504,010
Electric stoves or ranges, all styles	—	—	25,436,452
Electric rangettes	No.	42,078	1,501,587
Gasoline, fuel oil, or kerosene stoves or ranges, (cooking)	"	49,917	1,624,299
Gasoline, fuel oil, or kerosene stoves or space-heaters (heating)	"	49,637	2,390,606
Gas stoves and ranges (cooking)	"	27,970	3,135,199
Gas stoves (heating)	"	5,437	167,197
Gas cooking plates, no oven	"	2,490	43,895
Other stoves and parts including cafeteria, restaurant, etc.	—	—	1,929,322
Stove pipes see "Pipes and elbows, stove"			
Straps, leather	doz.	95,395	198,367
Straws, drinking	M.	689,033	354,755
Streptomycin (Included in "Antibiotics")	—	—	—
Streptomycin preparations	—	—	103,784
Styrene	—	—	1
Sugar butter	lb.	4,533,443	880,682
Sugar, granulated:			
Beet	"	265,574,738	23,000,519
Cane	"	983,050,254	73,047,025
Sugar, brown or yellow	"	131,737,594	9,551,082
Sugar, icing (starch added)	"	70,104,309	6,220,787
Sugar, invert	"	8,692,909	653,370
Sugar, loaf	"	11,868,000	1,228,615
Sugar of milk	—	—	1
Sugar, pulverized (no starch added)	lb.	6,275,454	508,228
Sugar, other	—	—	23,030
Suits: (see also "Clothing, suits, sport"):			
Boys':			
Rayon	No.	71,819	726,877
Rayon and wool, chiefly rayon	"	29,656	275,843
Rayon and wool, chiefly wool	"	38,321	404,700
Wool	"	55,401	815,555
Other	—	—	11,419
Children's:			
Cotton	No.	27,487	62,494
Silk and rayon	"	73,457	253,430
Wool	"	19,529	143,071
Playsuits and wash suits, n.s.	doz.	126,705	1,745,507
Not specified	No.	421	2,510
Men's and youths':			
Rayon	"	123,802	2,306,620
Rayon and wool, chiefly rayon	"	147,954	2,882,208
Rayon and wool, chiefly wool	"	109,826	3,052,020
Wool	"	1,265,001	49,395,783
Not specified	"	9,300	72,344
Women's and misses':			
Cotton	"	9,275	67,026
Linen	"	17,635	236,517
Silk and rayon	"	285,449	3,848,699
Wool	"	455,454	11,365,549
Not specified	"	19,794	970,534
Suits and dresses, women's and children's, knitted see ("Dresses, wool knitted")			
Suits, slack:			
Boys':			
Cotton and other	"	4,839	21,374

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Suits, slack—Concluded:			
Men's and youths'			
Cotton	No.	900	22,000
Other	"	225	2,250
Suits, uniform:			
Men's and youths':			
Military	"	88,994	2,112,119
Non-military	"	84,898	2,588,626
Sulphonamide (sulpha) preparations	—	—	1,318,821
Sulphur	—	—	1
Sulphur dioxide, liquid	—	—	1
Superheaters	—	—	1
Superphosphate milled, screened and bagged	ton	13,233	461,534
Superphosphate, other (Included in "Fertilizers, other than mixed")	—	—	—
Surfacers, wood-working	No.	112	14,795
Surgical and orthopaedic appliances and surgical dressings:			
Surgical bandages and dressings	—	—	1
Surgical belts	No.	118,376	976,112
Surgical stockings, elastic	pr.	15,532	452,324
Orthopaedic corsets	No.	1,097	85,808
Artificial limbs	—	—	263,994
Foot easers, arch supports, knee caps, etc.	—	—	228,260
Trusses	No.	80,585	192,719
Other surgical supports	—	—	689,036
Surgical instruments and orthopaedic appliances, not specified	—	—	448,649
Suspenders, supporters and garters	doz.	443,003	1,327,747
Swathers	No.	8,022	4,822,701
Sweaters, jackets, etc.	doz.	846,775	25,289,370
Sweeping compounds	—	—	685,308
Switch gear and protective equipment (except telephone switch-boards)	—	—	42,782,401
Synthetic and plastic products, n.e.s.	—	—	55,016,618
Syringes, fountain and attachments	doz.	20,163	113,166
Syrup, beverage	gal.	514,974	1,168,115
Syrup, corn	—	—	1
Syrup, fountain, fruit, etc.	—	—	2,838,405
Syrup, table	—	—	694,730
Syrups from cane, not including molasses	ton	7,417	1,287,663
Syrups for soft drinks (for sale)	gal.	2,928,193	6,252,833
Syrup making equipment (maple)	—	—	811,886
Syrups, other	—	—	19,736
Table cloths and napkins (fabric)	—	—	737,384
Table cloths, plastic	—	—	391,897
Tableware, plastic	doz.	40,185	1,219,310
Tableware, pottery	—	—	3,298,887
Tacks, cut, wire	—	—	657,935
Tags and labels, shipping	—	—	19,576,908
Tags and tickets, price	—	—	2,976,807
Tailors' supplies, n.e.s.	—	—	3,251,075
Tallow	—	—	9,431,559
Tanks, animal	ton	25,287	1,997,648
Tanks, steel, storage, black, galvanized, etc.	—	—	14,769,441
Tanks, pressure, n.e.s.	—	—	4,552,624
Tanks, steel, pneumatic	—	—	586,031
Tanks, steel, septic	—	—	512,696
Tanks, other, not specified	—	—	4,835,722
Tape, adhesive	—	—	2,110,134
Tape, rubber and friction	lb.	1,965,806	1,309,048
Tape, paper, gummed	—	—	4,687,994
Tape, pressure, sensitive	—	—	1
Tape, telegraph	—	—	604,655
Tapes, fabric	—	—	1,901,068
Tapes, measuring, steel, etc.	—	—	1
Tapestries and other upholstering fabrics	—	—	6,851,664
Tapioca	—	—	1
Tar, coal, crude	Imp. gal.	41,831,699	5,166,870
Tar, refined	—	3,789,771	732,543
Targets, aerial, etc.	—	—	1
Tea, blended, etc.	lb.	44,771,832	46,515,467
Telephone material	—	—	53,854,424
Television receiving sets and equipment	—	—	109,966,336
Television picture tubes	—	—	1
Tenoners, wood-working	No.	28	31,000
Tents	"	53,287	1,693,526
Textile and leather specialties, n.e.s.	—	—	3,410,529
Thermometers, all kinds	No.	588,679	580,585
Thickeners, mining and metallurgical	—	—	1
Thinners, pyroxylin	gal.	2,277,131	3,142,929
Thiourea	—	—	1
Thread, cotton	—	—	9,023,937
Thread, rayon, silk, etc.	—	—	1,061,986
Threading machines	—	—	1
Threshers, and combine reaper-threshers and attachments	—	—	38,251,706
Ties, wooden	No.	4,945,403	8,204,317
Tile, asphalt	—	—	1,980,756
Tile, drain (from domestic clay)	No.	42,816,609	2,554,711
Tile, floor (from domestic clay)	sq. ft.	169,326	70,091
Tile, floor and wall (from imported clay)	—	—	1,799,387
Tile, gypsum	—	—	1
Tile, hollow blocks including fire-proofing and load-bearing tile	ton	185,069	3,432,799

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Tile, haydite and other haydite products	—	—	2,417,592
Tile, plastic	—	—	3,101,362
Tile, other, not specified	—	—	690,531
Tiling and flooring, rubber	lb.	10,384,277	2,678,822
Tin alloys	—	—	1
Tin	lb.	156,704	67,118
Tin plate (included with "Sheets, strips, etc.")	—	—	—
Tinned plate scrap	ton	14,955	145,168
Tinsel	—	—	1
Tinware, japanned or not	—	—	628,734
Tire braids, auto	—	—	1
Tire fabrics	lb.	26,981,597	22,274,686
Tires and tubes:			
Balloon casings	No.	5,815,657	121,811,551
High pressure casings	—	—	1
Balloon and high pressure inner tubes	No.	3,944,078	9,373,690
Aeroplane tires	"	19,991	839,246
Aeroplane tubes	"	7,852	47,832
Bicycle tires	"	425,010	519,028
Bicycle tubes	"	480,869	280,473
Implement and tractor tires	"	284,497	7,217,719
Industrial tires	"	27,256	287,460
Industrial tubes	—	—	1
Motorcycle tires	—	—	1
Other rubber tires, n.e.s.	—	—	248,503
Tires, railway car	—	—	1
Tissues, cleansing, paper	—	—	1
Toasters, electric	No.	309,231	2,756,834
Tobacco:			
Chewing, cut and twist	lb.	141,578	319,982
Chewing, plug	"	1,165,789	2,939,570
Smoking, leaf	"	39,287	32,052
Smoking, cut	"	24,808,667	61,852,102
Smoking, plug	"	276,689	719,711
Snuff	"	852,954	2,211,267
Stems and cuttings	—	—	28,749
Tobacco, raw leaf, processed	lb.	122,254,714	73,307,323
Tobacco curing equipment	—	—	98,631
Tobacco pouches	—	—	33,069
Toboggans	No.	74,672	227,707
Toilet preparations, n.e.s.:			
Bath salts and bath oils	—	—	570,232
Brilliantine, solid	—	—	67,242
Compacts (powder and rouge)	—	—	291,685
Creams solid or liquid, all kinds	—	—	3,434,119
Home permanent wave kits	—	—	3,591,787
Rouge and lipsticks	—	—	1,808,665
Shampoos and hair rinses	—	—	3,638,648
Bay rum, hair tonics, brilliantine liquid, etc.	—	—	4,231,260
Toilet water and lotions	—	—	4,616,514
All other	—	—	5,816,327
Toiletware, sterling silver	—	—	279,443
Toiletware and dresserware	—	—	157,636
Toluene and toluol	—	—	869,917
Tomato catsup, canned	lb.	2,689,641	295,964
Tomato catsup, other	"	24,699,554	5,596,096
Tomato juice	"	118,776,354	9,399,286
Tomato paste and puree	"	7,354,274	993,354
Tomato pulp	"	1,036,014	85,775
Tools, carpenters' and mechanics' other than portable pneumatic and electric tools	—	—	3,642,339
Tools, machine, n.e.s.	—	—	3,654,612
Tools, small cutting	—	—	4,762,162
Tools, n.e.s.	—	—	4,609,277
Toothpicks	—	—	1
Toppings for ice cream and cake	—	—	1,096,645
Towelling (included in "Cotton fabrics, broad woven")	—	—	—
Towels, all kinds	—	—	5,268,123
Towels, paper	case	766,678	3,479,708
Toys:			
Metal	—	—	1,719,465
Plastic, including wading pools	—	—	3,808,485
Rubber	doz.	95,460	417,488
Wooden	—	—	678,127
Miscellaneous, including model aeroplanes	—	—	2,686,769
Tractors	—	—	1
Trade work, n.e.s. (printing plant)	—	—	3,297,801
Trailers:			
Cabin or house type	—	—	2,995,289
Commercial (except logging and van)	No.	1,466	5,515,252
Logging	—	—	604,776
Van	No.	748	4,524,246
Not specified	—	—	74,294
Transfers, paper, decalomania	—	—	1,749,434
Transfers, paper, dry	—	—	136,779
Transformers	—	—	48,460,829
Transformer parts	—	—	1,682,783
Transmission towers, electric (see "Steel shapes")	—	—	—
Traps and fittings, lead	lb.	1,544,180	570,145
Traps, mouse and rat, etc.	—	—	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Trays, food	—	—	535, 986
Trichlorethylene, refined	lb.	19, 491, 381	2, 033, 847
Trimmings, not specified	—	—	646, 043
Trophies	—	—	477, 499
Trucks, factory and other hand trucks	—	—	1, 684, 662
Trucks, other n.e.s.	—	—	936, 924
Trunks, all kinds	No.	126, 026	1, 242, 378
Tubes, collapsible	—	—	1
Tubes, n.e.s.	—	—	460, 938
Tubing, brass, bronze and aluminum	lb.	11, 008, 244	5, 749, 386
Tubing, plastic	—	—	372, 517
Tubing, rubber	lb.	285, 415	207, 722
Tubing, steel	—	—	1
Tubing and wristing, knitted	lb.	419, 375	659, 840
Tubs, laundry, cement	No.	35, 910	549, 890
Turbines and water wheels	—	—	16, 060, 425
Turpentine	—	—	1
Twine and cordage:			
Baler twine, all sisal	lb.	20, 962, 540	3, 378, 636
Binder twine, all sisal and chiefly sisal	—	30, 799, 050	4, 159, 039
Other twine, all sisal	—	4, 752, 159	1, 295, 492
Other twine, all hemp and all flax	—	189, 434	176, 281
Other twine, all jute	—	1, 473, 702	556, 857
Other twine and cordage, not specified	—	—	3, 083, 918
Type and type metal	—	—	1, 732, 508
Typesetting (trade composition)	—	—	6, 099, 558
Typewriters	No.	80, 152	7, 268, 339
Typewriter and other ribbons	—	—	2, 000, 725
Typewriter parts n.s.	—	—	27, 514
Umbrellas	doz.	44, 183	1, 360, 186
Undertakers' supplies (See "Morticians' goods")			
Underwear, knitted, or of knitted fabrics:			
Men's and youths':			
Combinations:			
Cotton or chiefly cotton	—	212, 400	4, 619, 529
Rayon or chiefly rayon	—	1, 997	35, 157
Wool or chiefly wool	—	34, 532	1, 511, 744
Shirts:			
Cotton or chiefly cotton	—	359, 495	2, 690, 602
Rayon or chiefly rayon	—	4, 348	47, 622
Wool or chiefly wool	—	15, 163	459, 216
Drawers:			
Cotton or chiefly cotton	—	146, 471	1, 674, 770
Wool or chiefly wool	—	11, 143	396, 607
Shorts:			
Cotton or chiefly cotton	—	474, 105	3, 191, 877
Other	—	39, 412	363, 711
Not specified	—	43	527
Boys':			
Combinations:			
Cotton or chiefly cotton	—	79, 467	1, 099, 246
Shirts:			
Cotton or chiefly cotton	—	95, 948	454, 952
Drawers:			
Cotton or chiefly cotton	—	40, 675	302, 215
Shorts:			
Cotton or chiefly cotton	—	143, 979	627, 422
Not specified	—	8, 523	32, 192
Not specified	—	1, 084	22, 506
Women's and Misses':			
Combinations:			
All kinds	—	1, 487	28, 544
Drawers:			
All kinds	—	1, 189	17, 821
Bloomers, panties, etc.:			
Cotton or chiefly cotton	—	248, 354	1, 434, 303
Nylon	—	153, 366	655, 604
Rayon or chiefly rayon	—	942, 184	4, 315, 428
Wool or chiefly wool	—	7, 342	133, 179
Vests:			
Cotton or chiefly cotton	—	116, 649	752, 560
Rayon or chiefly rayon	—	156, 432	557, 539
Wool or chiefly wool	—	12, 502	170, 006
Other, n.e.s.	—	49, 821	366, 205
Girls':			
Combinations:			
Cotton or chiefly cotton	—	1, 429	15, 621
Bloomers, panties, etc.:			
Cotton or chiefly cotton	—	105, 680	447, 932
Rayon or chiefly rayon	—	6, 332	23, 136
Wool or chiefly wool	—	3, 687	20, 678
Drawers:			
Cotton and chiefly, cotton	—	1, 791	12, 576
Vests:			
Cotton or chiefly cotton	—	77, 142	369, 776
Not specified	—	1, 452	12, 305
Children's and infants':			
Combinations:			
Cotton or chiefly cotton	—	3, 662	23, 491

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Underwear, knitted, or of knitted fabrics—Concluded:			
Children's and infants'—Concluded:			
Drawers, bloomers, and panties:			
Cotton or chiefly cotton.....	doz.	451,719	1,542,432
Nylon or chiefly nylon.....	"	35,356	141,202
Rayon or chiefly rayon.....	"	401,253	1,056,876
Wool or chiefly wool.....	"	423	4,940
Vests:			
Cotton or chiefly cotton.....	"	244,567	1,160,632
Rayon or chiefly rayon.....	"	25,654	73,101
Wool or chiefly wool.....	"	3,726	44,949
Underwear, woven fabrics:			
Men's and youths'			
Shorts:			
Rayon.....	doz.	506	6,021
Cotton.....	"	67,945	673,639
Other.....	—	—	33,903
Not specified.....	doz.	814	21,469
Women's and misses':			
Bloomers, panties, etc.:			
Cotton or chiefly cotton.....	"	5,730	24,512
Rayon or chiefly rayon.....	"	6,683	32,400
Nylon or chiefly nylon.....	"	3,697	41,638
Children's:			
Bloomers, panties, etc.:			
All kinds.....	"	152	694
Underwear, not specified:			
Men's and boys'.....	"	3,927	25,969
Women's and misses'.....	"	4,581	22,378
Not specified.....	—	—	519,990
Undershirts:			
Rayon.....	doz.	286,642	5,402,194
Rayon mixtures.....	"	71,518	1,062,113
Cotton.....	"	218,805	2,970,509
Nylon.....	"	216,037	5,382,431
Not specified.....	—	—	1,881,437
Uniforms, (nurses, maids, etc.).....	—	—	2,651,160
Uniforms, military (See "Jackets," "Pants," and "Suits").....	—	—	—
Uniforms, other (See also "Pants, uniform," and "Suits, uniform").....	—	—	725,781
Upholstering materials (cotton tufts) (See also "Tapestries").....	—	—	—
Valves, brass and bronze.....	—	—	6,416,578
Valves, iron.....	—	—	6,653,461
Valves, steel.....	—	—	3,575,507
Valves, tire.....	—	—	1
Valves, not specified.....	—	—	1,998,752
Varnishes.....	—	—	8,519,748
Vaults, burial, cement and other.....	No.	7,989	462,169
Vegetable salad.....	—	—	1
Vegetables, canned:			
Asparagus.....	lb.	3,834,658	1,225,190
Beans, baked.....	"	93,705,339	10,961,692
Beans, green or wax.....	"	52,020,247	5,275,285
Beans, lima.....	"	1,779,620	226,874
Beets.....	"	12,317,967	1,249,043
Carrots.....	"	7,005,528	529,078
Carrots and peas.....	"	5,143,829	656,151
Corn, cream of, whole grain, etc.....	"	72,508,717	8,536,094
Mushrooms.....	"	1,996,389	1,114,295
Peas.....	"	100,031,855	13,096,141
Pumpkin and squash.....	"	5,957,657	451,215
Spinach.....	"	1,510,870	195,033
Tomatoes.....	"	60,772,139	6,297,527
Vegetables, mixed.....	"	9,020,104	975,739
Vegetables, other.....	"	7,218,237	798,247
Vegetables, evaporated and dehydrated.....	"	129,075	93,254
Vegetables in brine.....	—	—	81,722
Vegetables, frozen or cold pack.....	lb.	18,776,897	3,426,583
Vegetables in SO ₂	—	—	1
Vegetable juices, canned.....	—	—	1
Vegetable peelers and slicers.....	—	—	1
Vehicles, children's.....	—	—	1,768,619
Vehicles (farm sleighs, wagons, trucks, etc.) (see also "Sleighs" and "Wagons").....	—	—	251,399
Vells and veiling.....	—	—	47,574
Veneer*.....	—	—	15,194,842
Veneer logs.....	M ft. b.m.	3,187	329,213
Veneer and plywood products n.e.s.....	—	—	429,141
Ventilators.....	—	—	1,397,832
Vermiculate.....	—	—	1,227,863
Vestments.....	—	—	288,843
Vests, woollen (outerwear).....	No.	27,568	168,871
Vests, other (outerwear).....	—	—	113,130
Vinegar made for own use.....	Imp. gal.	836,075	—
Vinegar made for sale:			
Spirit.....	"	9,119,235	3,012,913
Cider.....	"	933,442	315,156
Malt.....	"	337,816	140,532
Vinyl acetate.....	—	—	1
Vitamin preparations.....	—	—	13,304,641

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Waffle irons	No.	45,797	379,814
Wagons (see also "Vehicles, farm sleighs, wagons and trucks")	—	—	127,620
Wall board, asbestos cement	—	—	1
Wall board, gypsum	sq. ft.	261,116,324	9,814,071
Wall plaster, paper, (see Paper Board)	—	—	—
Wall plaster, gypsum	—	—	4,764,660
Wardrobes, wall board	—	—	513,277
Wash boards	—	—	267,821
Washers, leather	No.	92,048	52,173
Washers and gaskets, iron, steel, etc.	doz.	5,405,069	337,181
Washing compounds	—	—	3,640,594
Waste, cotton and wool	—	—	526,789
Waste, wood	—	—	4,208,951
Waste, other, not specified	ton	105,519	486,979
Watches, assembled	—	—	2,317,887
Watch bracelets, cases, etc.	—	—	8,120,079
Water, distilled	—	—	988,511
Water, mineral, natural	—	—	10,274
Waterproofing of fabrics	—	—	124,507
Waterproofing preparations	—	—	263,533
Wax and wax compounds, all kinds	—	—	126,225
Wax, sealing	—	—	4,028,380
Waxers and wax applicators	—	—	1
Weatherstrip	—	—	49,065
Weaving, custom	—	—	894,858
Webbing, elastic	—	—	3,901,448
Webbing, other	—	—	1,979,339
Weeders	No.	2,216	1,102,901
Weed killer	—	—	607,541
Welding apparatus, arc	No.	2,821	2,231,769
Welding apparatus, gas and other	—	—	1,213,051
Welding compounds and fluxes	—	—	1
Welding apparatus with control equipment and accessories	—	—	18,276
Welding electrodes	—	—	1,693,182
Welding	—	—	3,648,443
Wet machine boards	—	—	1,106,657
Wheelbarrows and parts	—	—	1
Wheels, automobile	—	—	650,200
Wheels, railway car	ton	82,844	5,458,124
Wheels, not specified	—	—	703,103
Whey	—	—	1
Whips	No.	4,146	3,311
Whiskies (See "Spirits")	—	—	—
Whisks	doz.	44,263	164,359
Windows, complete, aluminum and other	—	—	18,335,647
Wine cocktails	—	—	1
Wine sold during the year	gal.	4,546,411	11,635,797
Wine produced and placed in storage for maturing	—	5,055,164	3,198,524
Wine spirit	—	—	1
Wiping cloths and rags, washed and sterilized	lb.	8,864,479	2,776,050
Wiping cloths and rags, other	—	—	1,354,687
Wire, brass and copper	—	—	76,579
Wire, gold filled and alloys	—	—	507,042
Wire, steel:			
Barbed:			
Quantity made	ton	7,947	—
Quantity shipped	"	8,033	1,220,068
Gold rolled flat, all sizes:			
Quantity made	"	2,353	—
Quantity shipped	"	1,605	500,002
Galvanized:			
Quantity made	"	80,560	—
Quantity shipped	"	30,023	6,331,867
Plain:			
Quantity made	"	255,779	—
Quantity shipped	"	90,493	14,272,028
Strand, twisted:			
Quantity shipped	"	5,911	2,082,178
Other, coated:			
Quantity made	"	1,666	—
Quantity shipped	"	1,567	451,936
Wire and cable, electrical	—	—	122,659,760
Wire rope and cable, n.e.s.	ton	19,490	12,485,589
Wire cloth, all metals, including screen cloth	—	—	10,316,014
Wire mesh, steel, woven or welded	—	—	2,540,371
Wire netting	—	—	1
Wire goods, not specified	—	—	3,983,698
Wiring devices, not elsewhere specified	—	—	12,193,599
Wooden products, n.e.s.	—	—	4,458,395
Wood flour	—	—	1
Woodenware, kitchen	—	—	31,693
Woodenware, not specified	—	—	950,962
Wood preservation	—	—	1
Wood preservatives	—	—	510,314
Wood turning, n.s.	—	—	988,566
Woodwork, sanitary	—	—	371,139
Wool, mineral (building)	—	—	9,093,079

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Wool, mineral (industrial).....	—	—	4,673,847
Wool pulled.....	lb.	2,039,519	1,563,383
Wool tops.....	—	—	1
Wool noils.....	—	—	1
Wool or part wool, reworked or reprocessed.....	lb.	15,954,403	3,891,951
Woolen cloth, woven:			
Suitsings, dress goods, overcoatings etc.:			
All wool, woollen.....	sq. yd.	12,495,852	19,277,494
All wool, worsted.....	—	6,499,491	14,677,821
Woolen and worsted, mixed.....	—	300,444	571,648
Cotton warp, woollen.....	—	268,158	391,940
Other woollen and mixtures.....	—	4,437,726	6,838,652
Woven terry goods (fabric).....	yd.	497,198	247,309
Other woven fabrics, wool or containing wool.....	—	—	1,744,026
Woven goods (not fabric).....	—	—	87,090
Wrappers, waxed (See "Paper, waxed").....	—	—	—
Wrappers, paper, other than waxed (see also "Boxes, paper, corrugated").....	—	—	1,183,736
Wrappers, printed.....	—	—	4,849,367
Wringers, clothes.....	No.	114,779	1,223,042
Xylo.....	gal.	496,598	209,973
Yarns, spun for sale:			
Cotton:			
Grey, knitting.....	lb.	14,054,300	10,156,033
Grey, other, singles.....	—	10,026,337	6,099,307
Grey, other, piled.....	—	11,908,201	7,948,746
Bleached, knitting.....	—	424,571	387,904
Bleached, other.....	—	204,008	194,837
Coloured, knitting.....	—	2,865,563	2,365,537
Coloured, other.....	—	1,474,550	1,273,743
Other, including mercerized.....	—	2,297,414	2,069,880
Cotton and wool mixed:			
Grey.....	—	417,116	403,344
Bleached and coloured.....	—	41,848	56,619
Nylon, thrown.....	—	876,856	3,560,790
Other, thrown.....	—	2,464,794	2,202,685
Rubber covered.....	—	—	169,493
Synthetic singles.....	lb.	36,710,011	38,192,666
Spun rayon and spun rayon mixtures.....	—	3,861,201	2,781,471
Other synthetic yarns.....	—	550,879	834,003
Woollen:			
Hand knitting.....	—	599,063	1,149,154
Machine knitting.....	—	3,667,455	4,919,392
Weaving.....	—	1,140,934	1,941,648
Carpet.....	—	1,369,186	1,719,179
Not specified.....	—	285,621	634,742
Worsted, oil spun:			
Hand knitting.....	—	1,366,593	4,377,723
Machine knitting.....	—	4,095,010	9,724,545
Weaving.....	—	879,682	1,384,256
Carpet.....	—	25,313	124,877
Worsted, dry spun:			
Weaving.....	—	78,383	210,880
Knitting.....	—	1,221,742	3,000,696
Not specified.....	—	321,933	792,709
Yarns, not specified.....	—	2,075,825	3,963,185
Yeast, dry, bakers'.....	—	—	1
Yeast, dry, brewers'.....	lb.	2,300,335	228,276
Yeast, fresh (for sale).....	—	—	1
Yeast, made for own use in breweries.....	lb.	3,758,303	—
Yeast food, bread improver, etc.....	—	7,202,843	853,396
Yoghurt.....	gal.	60,400	188,076
Zinc, refined, zinc alloys, etc.....	—	—	803,476
Zinc chloride.....	—	—	1
Zinc naphthanate.....	—	—	1
Zinc oxide and zinc dust.....	—	—	1
Manufactured food products, packaged only.....	lb.	18,155,860	3,693,306
Amount received by clothing contractors.....	—	—	15,300,355
Inter-company transfers.....	—	—	589,112
All other products, not specified:			
Foods and beverages.....	—	—	15,701,549
Tobacco and tobacco products.....	—	—	993,656
Rubber products.....	—	—	3,161,178
Leather products.....	—	—	3,111,400
Textiles.....	—	—	864,889
Knitting mills.....	—	—	2,438,923
Clothing.....	—	—	3,327,942
Wood products.....	—	—	2,677,673
Paper products.....	—	—	1,522,654
Printing, publishing and allied industries.....	—	—	130,874,741
Iron and steel products.....	—	—	120,489,203
Transportation equipment.....	—	—	16,251,192
Non-ferrous metal products.....	—	—	18,689,771
Electrical apparatus and supplies.....	—	—	8,865,273
Non-metallic mineral products.....	—	—	4,000,120
Products of petroleum and coal.....	—	—	21,448,276
Chemicals and allied products.....	—	—	3,991,861
Miscellaneous manufacturing industries.....	—	—	—

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1954 — Concluded

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Custom work and repairs:			
Foods and beverages	—	—	6,527,783
Tobacco and tobacco products	—	—	—
Rubber products	—	—	183,306
Leather products	—	—	1,130,213
Textiles	—	—	3,091,554
Knitting mills	—	—	—
Clothing	—	—	2,858,420
Wood products	—	—	13,323,503
Paper products	—	—	584,401
Printing, publishing and allied industries	—	—	—
Iron and steel products	—	—	76,731,547
Transportation equipment	—	—	113,246,295
Non-ferrous metal products	—	—	2,799,943
Electrical apparatus and supplies	—	—	21,757,438
Non-metallic mineral products	—	—	655,161
Products of petroleum and coal	—	—	7,433
Chemicals and allied products	—	—	683,066
Miscellaneous manufacturing industries	—	—	11,236,554
Products which were reported by only one or two firms and for which figures cannot be shown separately (See Commodities indicated by footnote 1)	—	—	637,981,283
Total Value of Products Listed	—	—	18,040,000,046
Adjustments due to valuation of intermediate products, excise taxes, etc.	—	—	485,472,542
Total	—	—	17,554,527,504

31-201



CANADA

GENERAL REVIEW
OF THE
MANUFACTURING INDUSTRIES OF CANADA
1955

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

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MANUFACTURING INDUSTRIES OF CANADA
1955

Published by Authority of

The Honourable Gordon Churchill, Minister of Trade and Commerce

NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** – Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I – General Review of the Manufacturing Industries
- II – The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada
 - Section B. Atlantic Provinces
 - Section C. Quebec
 - Section D. Ontario
 - Section E. Prairie Provinces
 - Section F. British Columbia
 - Section G. The Manufacturing Industries of Canada,
Regional Distribution
- III – Foods and Beverages
- IV – Tobacco and Tobacco Products
- V – Rubber Products
- VI – Leather Products
- VII – Textile Mills
- VIII – Knitting Mills
- IX – Clothing
 - X – Wood and Paper Products
- XI – Printing Trades
- XII – Iron and Steel Products
- XIII – Transportation Equipment
- XIV – Non-ferrous Metal Products
- XV – Electrical Apparatus and Supplies
- XVI – Non-metallic Mineral Products
- XVII – Products of Petroleum and Coal
- XVIII – Chemicals and Allied Products
- XIX – Miscellaneous Manufactures

The present report is the only one in Part I

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PART I. GENERAL ANALYSES OF MANUFACTURING

SECTION I. GROWTH OF MANUFACTURING

In this report the manufacturing industries of Canada are dealt with in two Parts. Part I gives general analyses including the historical development of manufacturing; detailed treatment of current production under various groupings and by individual industries; and principal factors in manufacturing production such as physical volume of production, capital, employment, salaries and wages, size of establishment, and power and fuel. Part II deals with the provincial and local distribution of manufacturing production.

With regard to historical development, it is impossible to give absolutely comparable statistics over a long period of years. From 1870 to 1915 statistics were collected only in connection with decennial or quinquennial censuses, and there was inevitably some variation in the information collected. The annual Census of Manufactures was instituted in 1917 and while numerous changes have been made since then in the information collected and the treatment of the data, an effort has been made to carry all major revisions, in so far as possible, back to 1917 so that the figures for the period since then are on a reasonably comparable basis.

The manufacturing industries of Canada during 1955 made a rapid recovery from the downward adjustment experienced in 1954. The selling value of factory shipments at \$19,513,933,811 was the highest on record and exceeded by 9.7 p.c. the previous high mark attained in 1953. In employment, however, the record was not so impressive. Although there was an increase of 2.4 p.c. in the number of employed in 1955 as compared with the previous year, the number still fell short by about 29,000 of the record number of 1,327,451 employed in 1953. Salaries and wages paid at \$4,142,409,534 and value added by manufacture at \$8,753,450,496 were the highest on record, exceeding the previous high of 1953 by substantial margins.

The physical volume of production in 1955 was 7.4 p.c. higher than in the previous year, while the increase in the value of factory shipments was 11.2 p.c. The greater increase in the value of factory shipments is accounted for by an increase in the wholesale prices of partly and fully manufactured goods which rose by about 2.5 p.c. The output of durable goods rose by 9.1 p.c. while non-durables were 6.1 p.c. higher. The total indexes of both the durables and non-durable sectors as well as for manufacturing as a whole exceeded the levels attained in 1953. Non-durable goods at 235.2 and manufacturing as a whole at 270.1 were the highest on record, while durable goods at 324.8 were still 4.5 p.c. lower than the peak attained in 1944 when these industries were engaged in war production.

In the non-durable goods sector all groups reported increased activity in 1955 as compared with 1954. The greatest increase in volume of production was reported by rubber goods with a percentage increase of 17.3. Textiles were second with 15.1, followed by products of petroleum and coal with 14.4, beverages 9.0, tobacco and tobacco products 8.6, leather products 6.3, paper products 5.2, foods and clothing 2.5, chemicals 2.4 and printing, publishing and allied industries 2.2. Textiles and clothing, although reporting increases in 1955, were still, however, below the levels attained in 1953.

In the durable goods sector, all groups with the exception of transportation equipment reported higher levels of production. Non-metallic mineral products were 15.1 p.c. higher. The output of iron and steel products with an increase of 14.1 p.c. came a close second, followed by electrical apparatus and supplies with 12.0 p.c., wood products 10.8 p.c., and non-ferrous metal products 9.8 p.c. The transportation equipment group was slightly lower with a drop of 1.2 p.c. Although the volume of the automobile industry was 29 p.c. higher, the lower levels at which the shipbuilding, aircraft and railway rolling stock industries operated, more than off-set this increase, leaving a

decline of 1.2 p.c. for the group as a whole. The iron and steel group, in spite of the recovery made in 1955, was still about 1.0 p.c. below the record level of 1953, while the transportation equipment group was still about 20 p.c. short of the high level attained in the same year.

The improvement in manufacturing operations which occurred during 1955 was the result of three main factors. First was the accelerated spending on capital goods, such as construction and machinery and equipment of all kinds, which rose from \$5,620,000,000 in 1954 to \$6,230,000,000 in 1955, an increase of 11.0 p.c. This stimulated the durable goods industries to a marked degree, and is reflected in the increased output of pig iron which rose from 2,211,029 tons in 1954 to 3,215,367 tons in 1955, steel ingots and castings from 3,195,030 tons to 4,534,672 tons, aluminum from 557,897 tons to 612,543 tons, nickel from 166,299 tons to 174,928 tons, cement from 22,437,477 barrels to 25,168,464 barrels, and motor vehicles from 352,109 units to 452,114 units. The second factor was the improvement in the export demand of many Canadian manufactured commodities. Newsprint, wood pulp, planks and boards, shingles, veneer and plywood, aluminum, nickel, copper, zinc, automobile parts and fertilizers were all substantially higher in 1955 as compared with the previous year. Exports of whisky, farm implements and artificial crude abrasives were at about the same level while exports of wheat flour and aircraft were considerably lower. The third factor was the impact on the consumer goods industries of the increase of about 400,000 in population as well as by the rise in labour income.

Ontario which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1955 accounted for 49.3 p.c. of the total value of factory shipments. Quebec with about 30 p.c. of the total shipments ranks as the second largest industrial province, while British Columbia with 8.6 p.c. of the total ranks third.

The increased activity reported by the manufacturing industries during 1955 was not uniformly distributed as between provinces. From the point of view of numbers employed, British Columbia with an increase of 6.8 p.c. over 1954 made the greatest gain in manufacturing output. This was on top of a 2.2 p.c. increase the previous year, at a time when all other provinces, without exception, reported declines in employment. As a result of this uninterrupted expansion during the past few years, British Columbia is gradually increasing its share of the Canadian total. Alberta in 1955 reported the second highest expansion with an increase of 6.4 p.c. in employment, followed by Newfoundland with 4.7 p.c., Ontario 2.5 p.c., Nova Scotia 2.0 p.c., New Brunswick 1.5 p.c., Quebec 1.3 p.c., and Manitoba 0.2 p.c. Prince Edward Island and Saskatchewan reported minor declines of 0.3 p.c.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a country producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 30 p.c. of the value of all goods and services produced, and also rank as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of large-scale deposits of

iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant. There have been other periods when Canada's population has grown more rapidly and in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the post-war years. The real significance of the latter period is that never before has there been an advance on such a broad industrial front.

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of post-war conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic resources. Capital expenditures that contributed most to the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence program—aircraft, electronic equipment, ships and guns—many items of which had never before been produced in Canada. Measures such as steel control, credit regulations and deferred depreciation had the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability of current levels of manufacturing is indicated by the fact that such activity is the result of business assessments of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent. Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the high-grade ores involved in order to meet continuing peace-time demands. No country is in a more favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials; a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945. And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind. Frequently using petroleum or natural gas as a source of raw materials, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

The tremendous development which has taken place in Canada during the past twenty years is strikingly illustrated by the increase of 212 p.c. in the physical volume of manufactured products between 1935 and 1955 as compared with an increase of only 41 p.c. in the population. Part of this increase, resulted from an increased demand abroad for Canadian manufactured goods, part to the demands imposed on Canadian industry as a result of the expansion in the economy during the past decade, and part to the increase in the standard of living of the Canadian people. The increase of 293 p.c. in the output of durable goods consisting mainly of building materials, transportation equipment as well as machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the phenomenal expansion in the productive capacity of the country. Non-durable goods during the same period increased by 164 p.c. Although this increase is quite large it is, nevertheless, overshadowed by the huge increase of 293 p.c. in the durable goods industries of the manufacturing sector.

With few exceptions, all groups in both the durable and non-durable sectors recorded marked advances in volume of output since 1935. In the durable goods sector the most striking advance was made by the electrical apparatus and supplies group with an increase of 539 p.c. which was the highest increase of any group. This was followed closely by non-metallic mineral products with an increase of 523 p.c. Transportation equipment was third with an increase of 290 p.c., followed by iron and its products with 257 p.c., non-ferrous metal products with 245 p.c. and wood products 199 p.c.

In the non-durable goods sector the greatest advance was achieved by the beverages group with 356 p.c., with petroleum products a close second with an increase of 340 p.c. Percentage increase by the other groups of this sector were as follows: tobacco and tobacco products 276, chemicals and allied products 240, rubber goods 237, paper products 197, printing, publishing and allied industries 134, food 127, textiles 103, clothing, including knitting mills 62 and leather products 43.

Manufacturing establishments reporting in 1955 numbered 38,182. Of these 785 were located in Newfoundland, 204 in Prince Edward Island, 1,524 in Nova Scotia, 1,052 in New Brunswick, 12,194 in Quebec, 13,276 in Ontario, 1,549 in Manitoba, 960 in Saskatchewan, 2,126 in Alberta, 4,486 in British Columbia and 26 in the Yukon and Northwest Territories. These plants furnished employment to 1,298,461 persons who received \$4,142,409,534 in salaries and wages. They also shipped goods with a selling value at the factory of \$19,513,933,811 and spent \$10,338,202,165 for materials, while the value added by manufacture totalled \$8,753,450,496.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value shipments the changes in the inventory of finished products. The figures for value added in 1954 and 1955 are, therefore, comparable with 1951 and prior years.

**Percentage variation of manufacturing in Canada, by Provinces and Groups,
1955 compared with 1954**

Province and group	1955 compared with 1954		
	Number of employees	Earnings	Selling value of factory shipments
Canada	+ 2.4	+ 6.4	+ 11.2
Newfoundland	+ 4.7	+ 3.6	+ 5.5
Prince Edward Island	- 0.3	+ 2.5	+ 0.7
Nova Scotia	+ 2.0	+ 6.7	+ 10.3
New Brunswick	+ 1.5	+ 2.9	+ 2.6
Quebec	+ 1.3	+ 4.6	+ 9.8
Ontario	+ 2.5	+ 6.9	+ 12.7
Manitoba	+ 0.2	+ 4.5	+ 3.0
Saskatchewan	- 0.3	+ 3.9	+ 5.1
Alberta	+ 6.4	+ 9.9	+ 11.5
British Columbia	+ 6.8	+ 10.6	+ 13.9
Yukon and Northwest Territories	- 11.0	- 4.0	+ 34.4
All groups	+ 2.4	+ 6.4	+ 11.2
Foods and beverages	+ 1.2	+ 4.6	+ 1.5
Tobacco and tobacco products	+ 0.6	+ 5.7	+ 11.4
Rubber products	+ 4.9	+ 9.3	+ 22.0
Leather products	+ 0.6	+ 2.7	+ 5.6
Textiles	+ 7.1	+ 10.3	+ 14.6
Knitting mills	+ 0.2	- 0.8	+ 2.9
Clothing	1	+ 2.6	+ 5.2
Wood products	+ 3.7	+ 9.7	+ 14.0
Paper products	+ 2.7	+ 6.3	+ 7.6
Printing, publishing and allied industries	+ 1.4	+ 6.5	+ 7.4
Iron and steel products	+ 4.6	+ 10.3	+ 14.8
Transportation equipment	- 1.2	+ 2.4	+ 13.8
Non-ferrous metal products	+ 5.6	+ 10.4	+ 28.7
Electrical apparatus and supplies	+ 1.6	+ 2.1	+ 11.4
Non-metallic mineral products	+ 10.6	+ 14.1	+ 18.1
Products of petroleum and coal	- 0.4	+ 4.0	+ 13.7
Chemicals and allied products	+ 0.5	+ 4.5	+ 11.6
Miscellaneous industries	+ 1.4	+ 4.1	+ 12.2

1. Less than 0.1 per cent variation.

Tables 1 to 3 give a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages

paid, cost of materials and values of products. A number of interesting comparisons are made in Table 4 and figures of consumption are given in Table 6.

TABLE 1. Summary Statistics of Manufactures, 1917-55

Note: Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the series given below. They will be found in Table 1 in the 1941 edition of this report. Statistics of the non-ferrous metal smelting industries were included in manufactures for the first time in 1925.

Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products
	No.	\$	No.	\$	\$	\$	\$
1917	21,845	2,333,991,229	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1918	21,777	2,518,197,329	602,179	567,991,171	1,827,631,548	1,399,794,849	3,227,426,397
1919	22,083	2,670,559,435	594,066	601,715,668	1,779,056,765	1,442,400,638	3,221,457,403
1920	22,532	2,923,667,011	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1921	20,848	2,697,858,073	438,555	497,399,761	1,365,292,885	1,123,694,263	2,488,987,148
1922	21,016	2,667,493,290	456,256	489,397,230	1,272,651,585	1,103,266,106	2,375,197,691
1923	21,080	2,788,051,630	506,203	549,529,631	1,456,595,367	1,206,332,107	2,662,927,474
1924	20,709	2,895,317,508	487,610	534,467,675	1,422,573,946	1,075,458,459	2,570,561,931
1925 ²	20,981	3,065,730,916	522,924	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926 ²	21,301	3,208,071,197	559,161	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927 ²	21,501	3,454,825,529	595,052	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928 ²	21,973	3,804,062,566	631,429	721,471,634	1,894,027,188	1,597,887,676	3,582,345,302
1929 ²	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930 ²	22,618	4,041,030,475	614,696	697,555,378	1,664,787,763	1,522,737,125	3,280,236,603
1931	23,083	3,705,701,893	528,640	587,566,990	1,221,911,982	1,252,017,248	2,555,126,448
1932	23,102	3,380,475,509	468,833	473,601,716	954,381,097	955,960,724	1,980,471,543
1933	23,780	3,279,259,838	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785
1934	24,209	3,249,348,864	519,812	503,851,055	1,229,513,621	1,087,301,742	2,393,692,729
1935	24,034	3,216,403,127	556,664	559,467,777	1,419,146,217	1,153,485,104	2,653,911,209
1936	24,202	3,271,263,531	594,359	612,071,434	1,624,213,996	1,289,592,672	3,002,403,814
1937	24,834	3,465,227,831	660,451	721,727,037	2,006,926,787	1,508,924,867	3,625,459,500
1938	25,200	3,485,683,018	642,016	705,668,589	1,807,478,028	1,428,286,778	3,337,681,366
1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1940	25,513	4,095,716,836	762,244	920,872,865	2,449,721,903	1,942,471,238	4,529,173,316
1941	26,293	4,905,503,966	961,178	1,264,862,643	3,296,547,019	2,605,119,788	6,076,308,124
1942	27,862	5,488,785,545	1,152,091	1,682,804,842	4,037,102,725	3,309,973,758	7,553,794,972
1943	27,652	6,317,166,727	1,241,068	1,987,292,384	4,690,493,083	3,816,413,541	8,732,860,999
1944	28,483	3	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1945	29,050	3	1,119,372	1,845,773,449	4,473,668,847	3,564,315,899	8,250,368,866
1946	31,249	3	1,058,156	1,740,687,254	4,358,234,766	3,467,004,980	8,035,692,471
1947	32,734	3	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580
1948	33,420	3	1,155,721	2,409,368,190	6,632,881,628	4,938,786,981	11,875,169,685 ⁴
1949 ⁴	35,792	3	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1950 ⁴	35,942	3	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
1951 ⁴	37,021	3	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132
1952 ⁴	37,929	3	1,288,382	3,637,620,160	9,146,172,494	7,443,533,199	16,982,687,035 ⁵
1953 ⁴	38,107	3	1,327,451	3,957,018,348	9,380,558,682	7,993,069,351	17,785,416,854 ⁵
1954 ⁴	38,028	3	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504 ⁵
1955 ⁴	38,182	3	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811 ⁵

1. For 1924 and subsequent years the value added by manufacture is computed by subtracting the cost of fuel and electricity and the cost of materials from the gross value. Figures prior to 1924 are not comparable because statistics for cost of electricity are not available.

2. A change in the method of computing the number of wage-earners in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was re-adopted.

3. Not collected.

4. Includes Newfoundland.

5. In 1952 the basis of collection was changed from "value of products made" to "selling value of factory shipments".

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-55

Province and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	\$	No.	\$	\$	\$	\$
Newfoundland:							
1949	793	4	6,934	15,486,336	31,228,173	32,918,776	67,264,282
1950	850	4	6,682	16,246,252	31,505,623	36,712,377	71,062,850
1951 ¹	822	4	9,622	22,681,246	43,117,299	53,690,187	100,642,613
1952 ¹	948	4	10,303	25,233,851	45,477,620	56,109,014	105,459,684
1953 ¹	939	4	10,575	26,604,908	44,972,021	57,784,697	106,524,603
1954 ¹	790	4	9,892	27,601,186	46,503,032	59,483,922	109,567,770
1955	785	4	10,361	28,604,468	49,914,856	60,536,922	115,579,036
Prince Edward Island:							
1917	411	2,008,082	1,556	663,251	3,087,621	1,750,135	4,837,756
1920	370	2,328,685	1,287	855,210	4,164,223	2,135,857	6,300,080
1929 ²	263	2,646,354	2,074	727,286	2,862,725	1,466,446	4,408,608
1933	249	2,256,307	991	529,684	1,590,834	1,126,826	2,775,787
1939	222	2,682,900	1,088	617,945	2,239,117	1,243,979	3,543,681
1944	241	4	1,786	1,694,763	6,993,510	3,570,835	10,713,644
1949	251	4	1,747	2,133,555	13,537,144	4,338,320	18,123,200
1951	237	4	1,735	2,459,553	17,177,748	5,046,797	22,523,439
1952 ¹	224	4	1,795	2,805,522	15,786,399	5,957,097	22,069,671
1953 ¹	216	4	1,809	3,095,845	15,963,798	5,873,761	23,198,970
1954 ¹	209	4	1,774	3,000,211	17,001,551	6,044,749	23,469,743
1955 ¹	204	4	1,769	3,074,085	16,903,035	6,431,660	23,628,818
Nova Scotia:							
1917	1,337	124,357,851	25,252	18,833,051	102,415,215	57,565,703	159,980,918
1920	1,345	135,679,188	23,425	25,625,089	85,724,785	61,371,243	147,096,028
1929 ²	1,094	118,951,398	19,986	16,905,885	50,725,562	35,676,421	89,787,548
1933	1,277	92,004,624	12,211	9,604,680	25,354,319	19,988,257	47,912,432
1939	1,083	101,954,082	17,627	16,651,695	43,332,195	35,885,563	83,139,572
1944	1,281	4	37,812	59,940,411	103,463,123	93,376,638	204,421,664
1949	1,480	4	29,311	54,686,577	135,841,899	102,294,238	247,592,389
1951	1,474	4	30,512	63,975,754	172,115,336	119,486,630	303,619,234
1952 ¹	1,533	4	33,371	75,245,387	183,141,366	130,715,000	326,839,747
1953 ¹	1,591	4	32,040	76,390,755	180,543,535	127,917,165	320,012,264
1954 ¹	1,526	4	29,611	71,740,240	161,294,873	129,777,850	300,072,733
1955 ¹	1,524	4	30,218	76,555,923	175,194,419	139,646,423	331,129,690
New Brunswick:							
1917	943	60,300,907	19,710	12,893,014	32,380,621	27,027,725	59,408,346
1920	901	101,216,395	19,007	19,266,821	60,812,641	45,803,164	106,615,805
1929 ²	803	91,376,948	17,952	15,127,716	39,800,366	26,640,786	68,145,012
1933	747	90,148,317	11,336	9,308,100	20,442,421	18,166,713	41,345,622
1939	803	91,171,323	13,501	13,659,162	35,617,614	27,041,195	66,058,151
1944	937	4	24,164	32,345,080	83,903,599	62,258,477	152,106,577
1949	1,060	4	23,446	44,219,819	131,804,253	91,187,375	231,505,191
1951	1,084	4	24,505	53,546,882	176,358,664	120,594,955	307,173,504
1952 ¹	1,077	4	24,251	55,978,462	164,760,874	117,837,471	293,759,782
1953 ¹	1,094	4	24,471	59,753,045	163,797,711	120,617,345	295,750,419
1954 ¹	1,057	4	22,107	55,109,428	157,215,921	118,015,815	287,350,600
1955 ¹	1,052	4	22,434	56,683,345	160,905,219	120,808,214	294,829,050
Quebec:							
1917	7,032	662,012,975	188,043	141,008,616	385,212,984	380,882,409	766,095,393
1920	7,530	878,859,638	183,748	202,516,550	553,558,520	499,643,217	1,053,201,737
1929 ²	6,948	1,246,208,650	206,580	225,226,808	537,270,055	537,796,395	1,108,592,775
1933	7,856	1,035,339,591	157,481	134,696,386	292,560,568	288,504,782	604,496,078
1939	8,373	1,182,538,441	220,321	223,757,767	536,823,039	470,385,279	1,045,757,585
1944	9,656	4	424,115	668,156,053	1,494,253,053	1,350,519,134	2,929,685,183
1949	11,579	4	809,579,270	809,579,270	2,027,793,643	1,651,629,668	3,788,497,123
1951	11,861	4	417,182	1,005,601,680	2,696,638,646	2,083,935,751	4,916,157,419
1952 ¹	12,024	4	429,698	1,125,944,703	2,745,618,113	2,288,643,279	5,176,234,825
1953 ¹	12,132	4	441,555	1,225,573,314	2,816,373,112	2,424,647,499	5,386,784,863
1954 ¹	12,191	4	424,095	1,214,661,400	2,806,248,363	2,448,027,538	5,395,786,644
1955 ¹	12,194	4	429,575	1,271,077,953	3,152,541,331	2,622,333,056	5,922,367,074
Ontario:							
1917	9,061	1,157,850,643	299,389	258,393,065	794,556,502	662,174,261	1,456,730,763
1920	9,113	1,464,097,346	295,674	362,941,317	1,071,843,374	792,267,562	1,864,110,936
1929 ²	9,348	1,986,736,556	328,533	406,622,627	1,056,530,202	916,971,816	2,020,492,433
1933	9,542	1,587,947,947	224,816	220,530,088	464,544,563	465,103,842	958,776,858
1939	9,824	1,762,571,669	318,871	378,376,209	907,011,461	791,428,569	1,745,674,707
1944	10,731	4	564,392	975,038,060	2,310,347,858	1,930,043,913	4,339,797,784
1949	12,951	4	557,190	1,305,544,434	3,256,454,918	2,708,554,013	6,103,804,834
1951	13,025	4	599,433	1,669,386,982	4,334,394,367	3,569,400,065	8,074,731,217
1952 ¹	13,172	4	609,696	1,844,186,405	4,387,431,403	3,811,106,576	8,372,173,626
1953 ¹	13,114	4	634,554	2,017,982,218	4,560,134,562	4,130,126,462	8,876,504,990
1954 ¹	13,178	4	598,914	1,954,767,388	4,412,536,948	3,930,730,030	8,533,167,214
1955 ¹	13,276	4	613,872	2,088,905,627	5,014,225,423	4,426,654,771	9,617,642,961

* Includes for the first time the fish processing industry.
See footnote page 12.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-55 - Concluded

Province and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	\$	No.	\$	\$	\$	\$
Manitoba:							
1917	732	82,566,858	18,939	16,513,423	69,715,149	42,280,801	111,995,950
1920	747	94,424,145	23,728	32,372,081	92,729,271	62,776,912	155,506,183
1929 ²	861	121,363,898	24,012	31,224,596	87,832,324	63,925,015	155,266,294
1933	1,010	100,074,404	18,871	18,687,430	44,579,998	37,390,275	83,934,777
1939	1,087	119,659,365	23,910	28,444,798	82,408,293	48,810,544	134,293,595
1944	1,290	4	40,337	62,758,081	226,234,925	120,339,925	352,334,594
1949	1,520	4	41,956	86,088,380	299,101,498	167,335,495	474,681,912
1951	1,512	4	41,459	100,170,966	349,203,612	192,848,667	551,346,046
1952 ¹	1,531	4	43,365	112,147,572	347,664,650	216,814,306	574,037,212
1953 ¹	1,540	4	43,740	121,126,279	345,403,115	229,797,439	584,872,459
1954 ¹	1,522	4	41,224	116,454,886	328,827,609	232,487,743	571,408,772
1955 ¹	1,549	4	41,318	121,718,573	329,698,765	247,472,108	588,351,081
Saskatchewan:							
1917	560	24,372,585	6,230	5,403,332	22,040,674	13,894,179	35,934,853
1920	554	24,640,520	6,709	9,571,175	34,894,105	22,610,861	57,504,966
1929 ²	594	43,925,797	7,025	9,105,597	51,003,566	23,002,952	75,368,605
1933	673	38,688,433	4,782	4,848,763	19,124,030	11,478,634	31,559,387
1939	737	37,654,095	6,475	7,346,127	38,782,135	20,283,273	60,650,589
1944	1,054	4	12,361	17,703,103	131,215,017	40,833,333	175,349,234
1949	962	4	10,841	22,273,942	164,349,341	47,356,949	215,742,708
1951	973	4	11,023	26,290,294	185,151,455	61,088,606	250,813,026
1952 ¹	1,022	4	11,307	29,489,862	172,388,119	80,934,157	258,931,776
1953 ¹	1,062	4	11,604	32,385,518	180,303,942	79,941,332	266,613,085
1954 ¹	1,010	4	11,526	33,509,833	169,326,001	104,560,398	280,733,784
1955 ¹	960	4	11,490	34,825,511	174,078,701	113,598,622	295,162,037
Alberta:							
1917	636	49,146,241	9,461	8,662,417	42,632,212	23,883,673	66,515,885
1920	666	48,310,655	10,955	15,210,628	56,139,646	29,812,891	85,952,537
1929 ²	736	81,875,952	12,216	14,585,734	62,500,175	36,824,969	100,966,196
1933	874	69,604,563	9,753	9,573,468	29,425,975	18,876,929	49,395,514
1939	961	73,284,225	12,712	14,977,700	53,151,149	32,618,153	87,474,080
1944	1,165	4	22,186	33,227,729	172,082,537	77,415,753	252,949,894
1949	1,685	4	26,425	55,115,554	251,364,059	114,681,296	371,995,120
1951	2,118	4	29,105	69,135,587	309,430,618	141,649,574	458,281,384
1952 ¹	2,150	4	31,765	82,527,194	331,817,141	178,221,013	518,410,811
1953 ¹	2,072	4	33,082	92,605,153	346,221,162	199,660,428	555,814,827
1954 ¹	2,052	4	32,765	96,909,889	346,524,989	219,327,509	575,277,702
1955 ¹	2,126	4	34,846	106,548,815	366,022,853	263,308,701	641,148,235
British Columbia:							
1917 ³	1,133	171,375,087	37,943	35,426,675	87,637,833	71,673,094	159,310,927
1920 ³	1,306	174,110,438	34,360	49,135,005	125,405,084	104,851,641	230,256,725
1929 ³	1,569	311,806,456	48,153	57,764,968	141,145,838	113,082,137	260,418,645
1933 ³	1,552	263,195,652	28,417	28,469,225	70,166,220	59,034,923	133,879,330
1939	1,710	274,969,502	42,554	53,881,994	136,655,872	103,263,292	247,948,600
1944	2,116	4	96,062	178,639,118	303,580,016	337,137,197	655,844,689
1949	3,493	4	82,934	196,403,722	531,112,329	409,665,348	959,008,088
1951	3,897	4	93,647	262,626,283	789,840,417	592,448,565	1,404,880,341
1952 ¹	4,225	4	92,667	283,530,976	751,011,248	556,172,312	1,332,481,862
1953 ¹	4,317	4	93,844	300,921,318	724,495,754	615,686,215	1,366,823,690
1954 ¹	4,462	4	95,867	319,802,914	794,885,369	651,812,950	1,474,156,242
1955 ¹	4,486	4	102,408	353,810,727	895,973,668	750,877,508	1,679,344,816
Yukon and N.W.T.:							
1939	5	538,847	55	97,766	138,500	92,054	242,968
1944	12	4	67	118,972	189,718	280,803	489,256
1949	18	4	148	359,068	643,807	604,896	1,377,453
1951	18	4	152	405,690	1,097,991	758,986	2,018,909
1952 ¹	23	4	164	530,126	1,075,561	1,022,974	2,288,039
1953 ¹	30	4	177	569,995	1,349,970	1,012,008	2,516,683
1954 ¹	31	4	191	630,316	1,492,898	1,855,633	3,536,300
1955 ¹	26	4	170	604,507	2,843,895	1,732,511	4,751,000

1. See footnote 5, Table 1.

2. See footnote 2, Table 1.

3. Includes Yukon.

4. Not collected.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-55

Industrial Group and Year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ²
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
1945	8,372	156,396	224,908,882	1,336,820,028	558,247,045	1,921,774,601
1946	8,362	160,821	241,769,865	1,408,818,069	604,120,647	2,040,708,650
1947	8,869	167,865	276,245,015	1,656,529,086	695,092,932	2,383,975,675
1948	8,686	168,893	311,235,818	2,034,844,290	766,434,971	2,839,531,142
1949	8,558	170,024	332,536,319	2,009,246,062	834,017,547	2,882,581,753
1951	8,383	172,493	392,859,435	2,419,206,793	985,240,884	3,450,030,515
1952	8,263	175,552	429,650,055	2,333,089,054	1,091,944,158	3,472,516,950
1953	8,129	176,649	455,280,552	2,296,739,737	1,146,473,720	3,491,961,511
1954	8,090	177,863	477,058,728	2,334,166,626	1,161,648,171	3,562,546,744
1955	8,134	180,085	498,786,577	2,319,782,949	1,257,652,677	3,614,315,616
Tobacco and tobacco products:						
1945	86	12,164	15,738,041	79,176,519	42,985,992	122,543,932
1946	95	10,849	14,410,558	79,253,405	39,981,625	119,634,215
1947	91	10,880	16,234,772	97,121,002	49,221,094	146,793,011
1948	79	10,459	19,550,563	95,851,271	57,666,963	153,993,442
1949	72	10,686	21,896,378	113,357,196	58,529,226	172,420,213
1951	62	9,826	24,433,218	119,590,053	59,033,325	179,177,093
1952	61	9,277	25,405,072	144,537,670	70,777,110	215,914,370
1953	55	9,494	26,765,643	138,491,048	75,015,218	214,145,491
1954	53	9,469	27,868,939	144,960,769	79,439,243	225,340,976
1955	56	9,529	29,446,891	163,027,835	88,652,932	250,933,785
Rubber products:						
1945	55	23,490	39,111,477	78,500,892	98,836,225	181,413,226
1946	60	22,055	37,813,363	62,135,578	93,451,248	159,408,113
1947	60	23,475	46,613,893	82,934,625	110,673,007	196,307,734
1948	56	21,703	48,273,015	84,223,731	106,999,669	194,111,934
1949	62	20,729	48,172,207	73,895,718	101,705,513	178,503,559
1951	67	23,054	64,357,696	146,951,650	161,184,980	311,678,489
1952	70	21,582	65,477,683	120,799,295	162,493,060	286,654,629
1953	72	22,600	70,994,643	114,336,694	172,674,055	290,735,459
1954	73	20,894	67,476,405	106,501,858	149,073,979	264,184,787
1955	82	21,913	73,774,964	137,074,770	187,029,017	322,412,379
Leather products:						
1945	706	34,123	43,268,635	95,006,015	71,297,713	167,888,463
1946	776	37,290	49,712,628	108,702,945	82,319,495	192,749,456
1947	792	35,724	52,628,612	123,894,474	86,646,061	212,430,165
1948	757	34,291	55,122,863	114,819,233	86,947,703	203,758,501
1949	747	34,900	59,699,886	117,869,462	91,157,684	210,804,174
1951	711	31,578	59,668,764	135,114,110	84,885,048	221,882,794
1952	701	32,103	66,153,490	115,714,505	101,511,149	219,200,929
1953	695	33,068	70,965,495	116,416,179	103,937,262	222,410,182
1954	673	30,748	67,161,757	101,250,853	102,339,751	206,512,812
1955	646	30,575	68,970,276	108,961,619	107,215,340	218,043,090
Textile products: (except clothing)						
1945	664	66,011	88,372,939	217,289,281	165,689,522	391,182,025
1946	720	67,366	95,637,733	215,853,616	178,852,730	402,966,184
1947	747	73,979	116,228,736	289,986,732	215,170,493	514,344,838
1948	722	75,816	141,002,245	331,943,622	261,774,544	604,946,333
1949	847	77,773	156,166,554	339,644,950	285,641,367	636,824,130
1951	892	81,710	185,030,489	495,304,102	337,936,447	846,477,303
1952	918	72,739	178,689,466	418,522,518	312,627,434	744,141,645
1953	959	73,190	184,604,616	388,324,584	299,231,284	700,690,265
1954	975	64,581	170,196,140	350,113,694	275,492,879	640,870,047
1955	977	69,144	187,805,044	408,890,576	314,533,385	734,515,445
Clothing: (textile and fur)						
1945	2,676	99,959	131,478,496	251,899,847	222,307,384	476,754,319
1946	2,988	105,868	146,265,152	285,568,957	263,018,398	551,331,576
1947	3,121	110,329	166,951,727	311,018,817	300,527,093	614,594,703
1948	3,100	115,105	191,866,371	361,216,438	345,028,807	709,688,704
1949	3,058	117,752	206,512,782	371,128,833	352,741,236	727,498,836
1951	3,083	115,733	222,364,947	405,347,118	370,672,177	780,012,025
1952	3,041	117,668	240,539,672	443,956,596	405,091,338	853,151,206
1953	3,082	120,071	254,425,960	439,262,654	414,503,222	857,981,013
1954	3,030	111,315	239,072,710	410,078,242	383,538,744	801,533,118
1955	2,944	111,344	243,644,687	435,588,452	401,110,652	839,548,665

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-55 - Continued

Industrial Group and Year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ²
	No.	No.	\$	\$	\$	\$
Wood products:						
1945	7,656	93,209	119,833,932	240,432,275	208,979,657	454,447,165
1946	8,846	105,472	142,338,538	297,923,979	256,436,946	560,341,251
1947	9,744	120,434	186,467,946	398,854,196	365,050,223	771,403,332
1948	10,495	124,306	214,741,924	428,913,571	401,401,795	839,045,068
1949	11,191	121,632	224,902,644	436,637,453	393,928,758	840,355,634
1951	11,975	131,278	283,062,074	610,807,577	529,300,377	1,153,376,772
1952	12,467	130,468	299,475,981	618,979,510	534,155,313	1,167,629,531
1953	12,462	134,310	325,619,252	649,731,056	577,381,926	1,242,014,812
1954	12,165	128,931	323,132,214	623,756,753	566,186,899	1,205,959,905
1955	11,804	133,673	354,439,897	723,815,493	631,857,981	1,375,343,554
Paper products:						
1945	475	60,819	109,627,174	255,265,326	241,121,150	536,859,861
1946	486	67,442	134,320,546	313,410,656	333,819,710	695,085,534
1947	502	73,445	168,632,394	410,456,570	443,374,435	911,238,813
1948	522	75,980	197,397,810	485,237,427	509,993,037	1,061,359,807
1949	524	76,471	208,348,621	494,300,501	532,288,636	1,093,060,326
1951	547	82,889	276,521,006	683,488,653	827,924,962	1,589,842,162
1952	543	82,965	292,682,283	694,190,401	736,217,142	1,510,148,791
1953	555	84,436	310,107,707	717,460,043	767,273,583	1,568,250,521
1954	569	87,370	331,556,026	742,032,309	802,280,157	1,630,162,601
1955	580	89,750	349,777,049	793,008,069	867,261,587	1,754,093,505
Printing, publishing and allied trades:						
1945	2,312	43,565	74,257,775	52,655,848	132,385,988	186,945,134
1946	2,404	48,950	86,433,880	65,501,698	154,951,731	222,548,636
1947	2,458	52,096	101,611,652	82,585,466	178,667,051	263,632,152
1948	2,496	54,541	119,087,977	96,384,499	208,208,175	307,345,914
1949	3,866	61,834	141,489,984	124,684,351	250,162,704	377,908,182
1951	4,019	64,694	170,828,730	152,753,412	295,642,569	452,142,515
1952	4,124	64,465	186,250,715	160,393,787	326,662,173	490,934,851
1953	4,157	66,530	205,626,554	175,222,037	364,363,975	543,752,372
1954	4,227	68,614	220,275,989	188,725,630	384,791,305	577,355,291
1955	4,494	69,602	234,579,858	199,161,743	415,668,242	619,828,786
Iron and steel products:						
1945	1,903	169,278	313,966,173	395,624,098	527,473,693	952,482,150
1946	2,066	151,373	279,567,770	337,981,814	461,501,765	824,766,017
1947	2,200	162,399	334,044,246	451,289,335	580,342,444	1,064,654,410
1948	2,263	170,071	400,878,271	570,290,989	709,347,226	1,320,527,400
1949	2,347	163,622	413,227,553	619,499,256	760,934,249	1,419,145,725
1951	2,435	183,323	547,314,615	860,565,510	991,334,800	1,904,650,130
1952	2,625	189,191	617,010,924	947,993,190	1,134,043,024	2,135,031,744
1953	2,698	188,236	643,474,127	906,165,239	1,140,931,549	2,098,551,079
1954	2,801	173,698	605,526,529	829,237,679	1,085,231,674	1,954,230,964 ³
1955	2,895	181,700	667,657,079	1,005,246,993	1,199,245,953	2,242,717,918
Transportation equipment:						
1945	504	154,844	326,748,794	498,241,686	523,910,119	1,034,666,913
1946	539	100,745	200,097,765	301,206,839	279,333,127	590,128,311
1947	562	104,348	230,898,680	426,573,091	366,151,761	803,611,372
1948	578	101,816	255,504,526	509,910,825	419,133,597	941,483,906
1949	596	104,750	270,852,111	584,064,330	466,529,164	1,063,211,331
1951	599	122,517	368,106,433	870,178,794	657,424,400	1,541,589,828
1952	617	146,360	473,118,450	1,009,470,570	778,347,604	1,803,689,823
1953	621	156,059	555,411,152	1,110,953,581	961,205,155	2,089,937,633
1954	602	133,432	479,079,750	986,721,281	701,600,725	1,713,962,985
1955	594	131,789	490,434,996	1,117,768,836	809,748,007	1,950,410,035
Non-ferrous metal products:						
1945	436	44,221	81,889,942	337,872,041	180,653,076	548,853,026
1946	474	40,855	75,855,699	311,082,975	148,492,338	484,618,453
1947	503	43,344	91,046,568	434,517,197	201,162,856	668,074,514
1948	503	46,048	108,778,616	556,238,618	248,225,806	844,598,154
1949	532	44,698	114,591,106	597,218,214	289,125,045	867,043,028
1951	536	50,114	150,733,704	797,412,763	406,616,836	1,253,599,168
1952	552	50,938	167,045,084	744,596,427	414,920,456	1,215,118,447
1953	551	52,058	178,710,057	726,128,115	458,180,471	1,242,010,994
1954	573	50,494	182,191,321	717,966,073	486,933,852	1,263,774,817
1955	581	53,311	201,109,879	974,792,188	590,744,048	1,626,980,855

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-55 — Concluded

Industrial Group and Year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ²
	No.	No.	\$	\$	\$	\$
Electrical apparatus and supplies:						
1945	247	44, 129	76, 468, 795	92, 041, 030	135, 919, 899	230, 531, 874
1946	266	43, 998	74, 510, 479	101, 939, 272	129, 968, 926	234, 572, 653
1947	296	52, 736	103, 891, 016	162, 131, 266	200, 859, 040	366, 506, 203
1948	314	53, 873	122, 113, 644	180, 344, 829	241, 333, 960	425, 725, 279
1949	365	55, 916	137, 278, 521	212, 460, 413	269, 341, 983	486, 286, 355
1951	373	67, 626	194, 749, 038	316, 561, 307	353, 602, 872	676, 008, 959
1952	401	69, 200	217, 564, 936	313, 713, 170	395, 933, 805	715, 873, 342
1953	422	76, 856	250, 646, 777	383, 743, 994	457, 489, 516	848, 190, 254
1954	457	75, 075	258, 509, 601	396, 583, 427	462, 960, 141	863, 942, 144
1955	468	76, 244	264, 031, 474	477, 655, 753	469, 918, 651	962, 615, 012
Non-metallic mineral products:						
1945	700	20, 269	32, 959, 877	41, 488, 955	76, 318, 456	130, 704, 796
1946	833	24, 387	39, 651, 286	49, 957, 966	94, 591, 439	160, 476, 827
1947	863	26, 443	50, 456, 143	66, 266, 546	115, 277, 990	201, 786, 910
1948	934	27, 278	58, 816, 381	72, 577, 633	134, 897, 744	232, 148, 324
1949	1, 020	28, 139	64, 594, 354	78, 401, 065	143, 872, 615	246, 457, 799
1951	1, 042	31, 522	86, 078, 972	109, 011, 701	195, 348, 829	334, 875, 398
1952	1, 057	31, 422	92, 818, 919	115, 217, 568	203, 692, 859	350, 051, 630
1953	1, 094	34, 352	107, 275, 074	134, 118, 848	239, 815, 853	408, 909, 192
1954	1, 160	35, 229	114, 849, 079	145, 120, 516	256, 951, 758	435, 208, 000
1955	1, 171	38, 949	131, 006, 731	174, 489, 301	301, 656, 877	514, 118, 801
Products of petroleum and coal:						
1945	80	11, 532	22, 904, 418	188, 899, 911	65, 637, 131	270, 166, 984
1946	77	12, 106	24, 197, 354	190, 527, 903	79, 046, 757	286, 007, 855
1947	80	12, 769	28, 689, 932	257, 420, 851	84, 073, 746	361, 333, 008
1948	75	13, 678	34, 766, 341	369, 035, 161	97, 064, 006	491, 961, 894
1949	77	14, 552	39, 783, 500	391, 036, 128	117, 819, 090	533, 730, 719
1951	82	15, 598	51, 947, 890	497, 982, 695	179, 872, 590	709, 550, 035
1952	101	16, 905	63, 573, 173	519, 629, 241	225, 825, 749	780, 436, 047
1953	100	17, 112	66, 565, 434	576, 310, 641	211, 552, 953	823, 089, 340
1954	104	17, 559	69, 681, 725	625, 411, 385	358, 372, 309	1, 020, 911, 348 ⁴
1955	106	17, 486	72, 436, 559	704, 384, 995	417, 349, 989	1, 160, 824, 499
Chemicals and allied products:						
1945	986	61, 339	107, 050, 824	228, 855, 956	252, 944, 165	498, 630, 798
1946	1, 031	38, 012	67, 842, 339	179, 749, 719	208, 399, 498	401, 741, 703
1947	1, 046	39, 237	78, 993, 517	238, 310, 157	234, 056, 973	488, 307, 293
1948	1, 026	39, 548	89, 325, 771	293, 041, 874	268, 818, 222	579, 827, 509
1949	1, 037	41, 328	100, 690, 662	280, 008, 945	288, 171, 551	587, 398, 215
1951	1, 037	45, 664	131, 310, 151	366, 957, 695	384, 026, 141	776, 489, 391
1952	1, 075	47, 694	148, 075, 675	357, 818, 760	414, 087, 592	796, 562, 234
1953	1, 105	50, 207	164, 590, 810	403, 686, 331	448, 276, 576	881, 503, 845
1954	1, 116	51, 603	177, 311, 960	437, 051, 091	476, 125, 328	935, 724, 680
1955	1, 126	51, 856	185, 267, 943	480, 104, 190	528, 928, 509	1, 044, 079, 000
Miscellaneous industries:						
1945	692	24, 024	37, 187, 275	83, 549, 139	59, 608, 689	144, 523, 599
1946	706	20, 567	30, 262, 299	48, 617, 375	58, 718, 602	108, 607, 036
1947	800	22, 247	36, 291, 117	44, 390, 608	65, 708, 603	111, 532, 447
1948	814	22, 315	40, 906, 054	48, 007, 617	75, 510, 756	125, 116, 374
1949	893	26, 401	51, 147, 475	59, 778, 187	94, 600, 066	156, 363, 321
1951	1, 173	28, 756	66, 908, 755	87, 292, 415	120, 899, 546	210, 804, 555
1952	1, 313	29, 833	74, 133, 582	87, 550, 232	135, 203, 233	225, 620, 866
1953	1, 350	32, 223	85, 954, 495	103, 467, 901	154, 763, 033	261, 282, 891
1954	1, 360	31, 071	85, 748, 818	102, 179, 368	149, 157, 222	252, 306, 085
1955	1, 524	31, 511	89, 239, 630	114, 448, 353	164, 876, 649	283, 147, 866

1. Increase is due to the inclusion for the first time of establishments that publish periodicals without doing any printing.

2. In 1952 the basis of collection was changed from "value of products made" to "selling value of factory shipments".

3. There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "value added by manufacture". Figures for 1954 are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.

4. Apparent advance in the selling value of factory shipments is due in part to an actual gain in physical output, but the major factor contributing to this increase was a change in accounting procedure by some firms of the petroleum products industry in calculating value of factory shipments. This increased the value by approximately \$139,000,000 over what the value would have been by the former method.

Significant Changes in Manufacturing Production.—The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1955. In analysing statistics of production and materials used, price changes should be borne in mind, particularly the inflation of values in the years immediately following World War I, the drop in prices of commodities during the depressions following 1921 and 1930, and the increases again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 10,397,703 in 1953, an advance of about 527 p.c. in 37 years. In the same period, horse-power per production employee showed an uninterrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of production employees on war production, and the more efficient utilization

of the equipment available, the horse-power per production employee dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the war resulted in a rise to 8.52 in 1948 and 9.87 in 1953. The significant feature is the increase in both the absolute figures of power employed and the averages per production employee during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average earnings since 1929. Between 1949 and 1955 the value of purchased fuel and electricity increased by 49.7 per cent; for full details of fuel and electricity used by the manufacturing industries see Tables 57 and 58.

TABLE 4. Significant Statistics of Manufactures for Certain Years 1917-1955

Item		1917	1920	1929 ¹	1933
Establishments	No.	21,845	22,532	22,216	23,780
Totals, employees	"	606,523	598,893	666,531	468,658
Averages per establishment	"	27.8	26.6	30.0	19.7
Totals, earnings	\$	497,801,844	717,493,876	777,291,217	436,247,824
Averages, per establishment	"	22,788	31,843	34,988	18,345
Averages, per employee	"	821	1,198	1,166	931
Supervisory and office employees	No.	64,918	78,334	88,841	86,636
Averages, per establishment	"	3.0	3.5	4.0	3.6
Earnings	\$	85,353,667	141,837,361	175,553,710	139,317,946
Averages, per employee	"	1,315	1,811	1,976	1,608
Production workers	No.	541,605	520,559	577,690	382,022
Averages, per establishment	"	24.8	23.1	26.0	16.1
Earnings	\$	412,448,177	575,656,515	601,737,507	296,929,878
Averages, per employee	"	762	1,106	1,042	777
Cost of materials	\$	1,539,678,811	2,085,271,649	2,029,670,813	967,788,928
Averages, per establishment	"	70,482	92,547	91,361	40,698
Averages, per employee	"	2,539	3,482	3,045	2,065
Values added by manufactures ³	\$	1,281,131,980	1,621,273,348	1,755,386,937	919,671,181
Averages, per establishment ³	"	58,646	71,954	79,015	38,674
Averages, per employee ³	"	2,112	2,707	2,634	1,962
Gross value of products	\$	2,820,810,791	3,706,544,997	3,883,446,116	1,954,075,785
Averages, per establishment	"	129,128	164,501	174,804	82,173
Averages, per employee	"	4,651	6,189	5,286	4,170
Power employed	H.P.	1,658,475	2,068,875	3,855,648	4,135,008
Averages, per establishment	"	76	92	174	174
Averages, per production worker	"	3.06	3.97	6.67	10.82
		1939	1944	1949	1955
Establishments	No.	24,805	28,483	35,792	38,182
Totals, employees	"	658,114	1,222,882	1,171,207	1,298,461
Averages, per establishment	"	26.5	42.9	32.7	34.0
Totals, earnings	\$	737,811,153	2,029,621,370	2,591,890,657	4,142,409,534
Averages, per establishment	"	29,744	71,257	72,415	108,491
Averages, per employee	"	1,121	1,660	2,213	3,190
Supervisory and office employees	No.	124,772	192,558	221,551	287,469
Averages, per establishment	"	5.0	6.8	6.2	7.5
Earnings	\$	217,839,334	418,065,594	628,427,937	1,147,142,086
Averages, per employee	"	1,746	2,171	2,836	3,990
Production workers	No.	533,342	1,030,324	949,656	1,010,992
Averages, per establishment	"	21.5	36.2	26.5	26.5
Earnings	\$	519,971,819	1,611,555,776	1,963,462,720	2,995,267,448
Averages, per employee	"	975	1,564	2,068	2,963
Cost of materials	\$	1,836,159,375	4,832,333,356	6,843,231,064	10,338,202,165
Averages, per establishment	"	74,024	169,657	191,194	270,761
Averages, per employee	"	2,790	3,952	5,843	7,962
Values added by manufactures ³	\$	1,531,051,901	4,015,776,010	5,330,566,434	8,753,450,496
Averages, per establishment ³	"	61,724	140,989	148,932	229,256
Averages, per employee ³	"	2,326	3,284	4,551	6,741
Gross value of products	\$	3,474,783,528	9,073,692,519	12,479,593,300	19,513,933,811 ⁴
Averages, per establishment	"	140,084	318,565	348,670	511,077
Averages, per employee	"	5,280	7,420	10,655	15,029
Power employed	H.P.	5,045,287	6,468,439	2	10,397,703 ²
Averages, per establishment	"	203	227	2	273 ²
Averages, per production worker	"	9.46	6.28	2	9.87 ²

1. A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive; increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1932 for later years are therefore comparable with those for 1924 and earlier years.

2. Collected only every five years. These figures are for 1953 which is the latest year available.

3. See footnote 1, Table 1.

4. See footnote 5, Table 1.

Recent Changes in Manufacturing Production.—Table 5 shows the changes in the nature of manufacturing production since the end of World War II with regard to numbers employed, the salaries and wages paid, and the gross value of products. Owing to price declines during depressions and rises during periods of prosperity, the values of both wages and products are naturally affected more than the number of employees. Furthermore, during periods of curtailed production there is a tendency for production workers to be put on part time, while the number of office employees responds less quickly to reduction in output than that of production workers. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The figures of Table 5 are to be compared with those of Tables 8, 9 and 10 which show changes in volume of production. The number of employees in 1944 increased by 86 p.c. over 1939. Salaries and wages paid were 175 p.c. higher and the gross value of production 161 p.c. higher. Another significant change is the increase in the proportion of women engaged in manufacturing. Whereas in 1939, there were 281 females to every 1,000 males employed, in 1944 this figure jumped to 403.

Significant changes in the nature of manufacturing production took place after the cessation of hostilities in 1945. Industries engaged in war production operated at a substantially lower level, while industries producing consumer goods stepped up their production. From the point of view of employment the chemical and allied products group with a drop of 33 p.c. experienced the greatest decline in production between 1945 and 1949. Transportation equipment which includes aircraft and shipbuilding was second with a drop of 32 p.c., followed by tobacco and tobacco products with 12 p.c., rubber goods 12 p.c. and iron and steel products 3 p.c. The non-metallic mineral products group reported the greatest gain in employment with an increase of 39 p.c., followed by printing, publishing and allied trades 31 p.c.; wood products 29 p.c., electrical apparatus and supplies 27 p.c., products of petroleum and coal 26 p.c., paper products 21 p.c., textiles (except clothing) 19 p.c., clothing (textile and fur) 18 p.c., foods and beverages 8 p.c., leather products 2 p.c. and non-ferrous metal products 1 p.c.

For manufacturing as a whole there was an increase of 4 p.c. in the number of employees with an increase of 39 p.c. in the amount of salaries and wages paid. Although there was an increase of 50 p.c. in the gross value of production, the increase in the physical volume was only 3.4 p.c. This is due to the rise in the wholesale prices of fully and partly manufactured products.

Between 1949 and 1954, for manufacturing as a whole, there was an increase of 40.6 p.c. in the gross value of production, 8.1 p.c. in employment, and 75.5 p.c. in salaries and wages paid. In terms of employment, the electrical apparatus and supplies group with an increase of 34.3 p.c. experienced the greatest expansion since 1949. Transportation equipment came second with 27.4 p.c., followed by non-metallic mineral products with 25.2, chemicals and allied products 24.9, products of petroleum and coal 20.7, miscellaneous industries 17.7, paper products 14.3, non-ferrous metal products 13.0, and printing, publishing and allied industries 11.0. The smallest gain was reported by the rubber products group with 0.8 p.c. Four groups reported declines in employment. Textiles led the list with a drop of 17.0 p.c., followed by leather products with 11.9, tobacco and tobacco products 11.4 and clothing 5.5.

Significant changes have also occurred regionally between 1949 and 1954. In terms of employment, there was an increase of 8.1 p.c. for Canada as a whole. With the exception of two provinces, New Brunswick and Manitoba, all other provinces reported increased employment in manufacturing. Alberta led in this respect with an increase of 24.0 p.c., followed by British Columbia with 15.6 p.c., Newfoundland 13.2 p.c. and Quebec 8.7 p.c. These four provinces were above the Canadian average of 8.1 p.c. Four other provinces also reported increases in employment, but below the Canadian average. Of these Ontario reported an increase of 7.5 p.c., Saskatchewan 6.3 p.c., Prince Edward Island 1.5 p.c. and Nova Scotia 1.0 p.c. Of the two provinces reporting declines New Brunswick suffered a drop of 5.7 p.c. and Manitoba a drop of 1.7 p.c. The following table gives the changes which have taken place in manufacturing during the past ten years, on an industrial as well as a geographical basis.

TABLE 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in Each Province and Major Industrial Group, Compared for Significant Years, 1945-54

(For a comparison of 1955 with 1954 see page 9)

Province and group	1949 compared with 1945			1954 compared with 1949		
	Employees	Salaries and wages	Gross value of products	Employees	Salaries and wages	Gross value of products
PROVINCE	1	2	3	4	5	6
Newfoundland ⁵	—	—	—	+ 13.2	+ 71.1	+ 43.3
Prince Edward Island	- 2.2	+ 25.9	+ 69.2	+ 1.5	+ 40.6	+ 29.5
Nova Scotia	- 22.5	- 8.8	+ 21.1	+ 1.0	+ 31.2	+ 21.2
New Brunswick	+ 1.2	+ 36.7	+ 52.2	- 5.7	+ 24.6	+ 24.1
Quebec	- 8.0	+ 21.2	+ 29.3	+ 8.7	+ 50.0	+ 42.4
Ontario	- 1.3	+ 33.8	+ 40.6	+ 7.5	+ 49.7	+ 39.8
Manitoba	+ 2.5	+ 37.2	+ 34.7	- 1.7	+ 35.3	+ 20.4
Saskatchewan	- 12.3	+ 25.8	+ 23.0	+ 6.3	+ 50.4	+ 30.1
Alberta	+ 19.1	+ 65.9	+ 47.1	+ 24.0	+ 75.8	+ 54.6
British Columbia	- 13.7	+ 9.9	+ 46.2	+ 15.6	+ 62.8	+ 53.7
Canada ³	+ 3.6	+ 39.2	+ 50.0	+ 8.1	+ 75.5	+ 40.6
INDUSTRIAL GROUP						
Foods and beverages ¹	+ 8.1	+ 48.5	+ 49.5	+ 3.4	+ 42.4	+ 23.1
Tobacco and tobacco products	- 12.2	+ 39.1	+ 42.3	- 11.4	+ 27.3	+ 30.7
Rubber products	- 11.8	+ 23.2	+ 1.6	+ 0.8	+ 40.1	+ 48.0
Leather products	+ 2.3	+ 38.0	+ 25.6	- 11.9	+ 12.5	- 2.0
Textile products (except clothing)	+ 18.9	+ 78.6	+ 65.1	- 17.0	+ 9.0	+ 0.6
Clothing (textile and fur)	+ 17.8	+ 57.1	+ 52.6	- 5.5	+ 15.8	+ 10.2
Wood products ¹	+ 28.9	+ 36.7	+ 33.9	+ 6.0	+ 43.7	+ 43.5
Paper products ¹	+ 20.7	+ 80.5	+ 95.1	+ 14.3	+ 59.1	+ 49.1
Printing, publishing and allied industries ²	+ 31.2	+ 81.2	+ 84.1	+ 11.0	+ 55.7	+ 52.8
Iron and steel products	- 3.4	+ 31.6	+ 49.0	+ 6.2	+ 46.5	+ 37.7
Transportation equipment	- 32.4	- 17.1	+ 2.8	+ 27.4	+ 76.9	+ 61.2
Non-ferrous metal products	+ 1.1	+ 39.9	+ 58.0	+ 13.0	+ 59.0	+ 45.8
Electrical apparatus and supplies	+ 26.7	+ 79.5	+ 110.9	+ 34.3	+ 88.3	+ 77.7
Non-metallic mineral products	+ 38.8	+ 96.0	+ 88.6	+ 25.2	+ 77.8	+ 76.6
Products of petroleum and coal	+ 26.2	+ 73.7	+ 97.6	+ 20.7	+ 75.2	+ 91.3
Chemicals and allied products	- 32.6	- 6.0	+ 17.8	+ 24.9	+ 76.1	+ 59.3
Miscellaneous industries ⁴	—	—	—	+ 17.7	+ 67.7	+ 61.4

1. Exclusive of Newfoundland in columns 1, 2 and 3; inclusive of Newfoundland in columns 4, 5 and 6.

2. Exclusive of "Publishing (only) of Periodicals" in columns 1, 2 and 3.

3. Newfoundland and "Publishing (only) of Periodicals" are excluded in columns 1, 2 and 3, but are included in columns 4, 5 and 6.

4. Due to the changes of establishments from one industry to another figures for 1949 are not comparable with previous years.

5. Exclusive of fish processing.

Consumption of Manufactured Products.— One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1955 was \$20,152,020,318, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, wood and paper, non-ferrous metals, non-metallic minerals, textiles and animal products were, in that order, the leading groups in the value of finished products made available for consumption in 1955.

Animal, wood and paper and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textiles, chemicals and non-metallic mineral

products in spite of large home production. The expansion of the iron and steel, chemical and non-metallic mineral products industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the future.

Significant changes have taken place since 1939 in the type of manufactured products made available for consumption. In that year, the iron and its products group was in leading position and contributed 19.8 per cent of the total value of manufactured products. In 1955 this group was still in first place, but the percentage went up to 26.9. The wood and paper products, non-ferrous metals, non-metallic minerals and miscellaneous industries groups also increased their share of the total, while chemicals and allied products remained practically unchanged. The three mineral groups, combined, increased substantially their share of the total from 35.9 in 1939 to 47.4 in 1955. This indicates a higher standard of living for the Canadian people and also reflects the great expansion and diversification in manufacturing which has taken place since 1939. The industries producing consumer goods, on the other hand, suffered a relative decline. Vegetable products dropped from 19.6 to 13.8, animal products from 11.8 to 8.8 and textiles from 13.3 to 8.8. The following table gives the relative position of the major industrial groups in 1939 and 1955.

Manufactured Products Made Available for Consumption
(Percentage of the Total)

Group	1939	1955	Group	1939	1955
Vegetable products	19.6	13.8	Non-ferrous metal products	8.9	11.3
Animal products	11.8	8.8	Non-metallic mineral products	7.2	9.2
Textiles and textile products	13.3	8.8	Chemicals and allied products	5.3	5.2
Wood and paper products	11.6	12.4	Miscellaneous industries	2.5	3.6
Iron and its products	19.8	26.9	Total	100.0	100.0

TABLE 6. Consumption of Manufactured Products, 1928-54, and by Industrial Groups, 1955

Year and group	Value of products manufactured	Manufactured and partly manufactured goods ¹		Value of manufactured products available for consumption
		Value of net imports	Value of domestic exports	
	\$	\$	\$	\$
1928	3,582,345,302	954,387,551	698,376,615	3,838,356,238
1929	3,833,446,116	939,130,201	686,876,071	4,135,700,246
1933	1,954,075,785	298,068,344	365,232,113	1,886,912,016
1939	3,474,783,528	542,364,930	646,853,938	3,370,294,520
1940	4,329,173,316	807,636,948	913,049,979	4,423,760,285
1941	6,076,308,124	1,123,994,913	1,292,855,603	5,907,447,434
1942	7,553,794,972	1,283,834,068	1,296,368,079	6,781,310,961
1943	8,732,860,999	1,305,838,746	2,444,882,298	7,593,837,447
1944	9,073,692,519	1,302,413,996	2,668,575,781	7,707,530,734
1945	8,250,368,866	1,117,544,874	2,352,441,796	7,015,471,944
1946	8,035,692,471	1,390,123,100	1,701,677,026	7,724,138,545
1947	10,081,026,580	1,928,250,119	2,124,740,343	9,884,536,356
1948	11,875,169,685	1,869,702,089	2,259,247,456	11,485,624,318
1949	12,479,593,300	2,043,583,929	2,017,055,615	12,506,121,614
1950	13,817,526,381	2,289,162,070	2,239,733,915	13,866,954,536
1951	16,392,187,132 ³	3,034,709,829	2,749,091,256	16,677,805,705
1952	16,982,687,035 ³	3,125,381,333	2,892,543,945	17,215,524,423
1953	17,785,416,854 ³	3,519,418,503	2,781,269,785	18,523,565,572
1954	17,554,527,504 ³	3,239,535,681	2,811,573,960	17,982,489,225
Industrial groups, 1955²				
Vegetable products	2,699,898,995	282,174,622	200,426,389	2,781,647,228
Animal products	1,824,360,045	54,664,201	106,050,545	1,772,973,701
Textiles and textile products	1,507,216,437	290,624,022	21,612,958	1,776,227,501
Wood and paper products	3,767,432,484	184,806,737	1,455,575,038	2,496,664,183
Iron and its products	4,174,966,314	1,545,144,355	298,968,319	5,421,142,350
Non-ferrous metal products	2,589,595,867	357,935,238	666,657,736	2,280,873,369
Non-metallic mineral products	1,674,943,300	288,964,669	113,745,079	1,850,162,890
Chemicals and allied products	893,756,785	258,423,572	210,040,071	1,042,140,286
Miscellaneous industries	281,763,584	518,475,528	70,050,302	730,188,810
Totals, 1955	19,513,933,811³	3,781,212,944	3,143,126,437	20,152,020,318

1. Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years: for 1939-55 they are for the calendar year. Net imports are total imports less foreign products re-exported.

2. Consumption figures for the major groups of the Standard Industrial Classification cannot be calculated as statistics of imports and exports are still compiled on the component material classification basis.

3. See footnote 5, table 1.

SECTION 2. VALUE AND VOLUME OF MANUFACTURED PRODUCTS

Value of Manufactured Products.—In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind. In recent years, due to violent changes in prices, unadjusted value series, used in isolation, have become increasingly inadequate as indicators of economic trends. Of necessity, interest has shifted to measures of volume. The range of prices since 1917, on the base period 1935-39 = 100, was as follows:

Year	General Wholesale	Fully or Chiefly Manufactured Products
1917	148.9	150.9
1920	203.2	208.2
1929	124.6	123.7
1933	87.4	93.3
1939	99.2	101.9
1949	198.3	199.2
1953	220.7	228.8
1955	218.9	224.5

Volume of Manufactured Products.—Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, and not whether they are expending more dollars and cents. The field of industrial production, because of its dominating position in the national economy, has attracted increasing attention. This, in turn, has resulted in the need for more accurate measurements of physical output.

During the past few years, the Business Statistics Section of the Bureau's Research and Development Division has been engaged in the reconstruction of the Index of Industrial Production. The project consisted mainly of establishing annual gross and net levels of production for each industry from census of industry data and of improving the reliability of the current monthly series. For a description of the methods used in constructing the indexes and a description of its scope, see D.B.S. Reference Paper No. 34 "Revised Index of Industrial Production, 1935-1951".

The construction of this index was made possible by the availability of a great deal of basic data. Annual statistics valuable for this project have been collected by the Bureau without interruption from the end of the first World War to the present, and the scope of the monthly information has been greatly expanded. Applying the methods developed through the experience of the last quarter century, it has been possible to compute an index with a fair measure of accuracy from 1935 to the present.

Prior to the end of the first World War, the movement of industrial production was regarded as following the output of a few factors such as pig iron. The introduction of the index number placed the information on a much wider base. It is safer to base one's impression of the current trend upon a comprehensive index embracing a wide range of economic factors than upon any limited group of components that necessarily fluctuate according to particular influences.

An index of this kind offers considerable advantage in analyzing social and economic problems. The greatest call for the index is for the interpretation of current economic conditions. It is particularly relevant in the study of business fluctuations. While the index is based on the sectors of the economy that are particularly sensitive to short term influences, it also reflects a large part of the variations in the total of all economic activity. The output of mines and factories plays a dominant part in economic fluctuations and is closely associated with transport and trade which are mainly concerned with the distribution of commodities. The barometric nature of the industrial sector enhances the value of the index as an indicator of short-term movements but its usefulness in the interpretation of long-term economic developments should not be overlooked.

The Canadian annual Census of Industry, from which final benchmark indexes are computed, covers practically all establishments, but excludes work in the home. In the matter of repairs, the census of manufactures generally excludes work performed in connection with a service trade such as boot and shoe and automobile repairs. However, the census covers repairs carried on essentially under industrial conditions, such as ship and locomotive repairs. Consequently only industrial-type repairs are included in the index.

The framework of the revised index is based on the new Standard Classification of Industries prepared by an inter-departmental working committee. The preceding system used by the Bureau of Statistics was of a three-fold nature based on (1) chief component material; (2) purpose and (3) origin. The first principle was used most extensively, the criteria of purpose and origin having been used for the presentation of supplementary series which played a secondary role in Bureau publications.

The main innovation introduced in the Standard Classification was the compromise between the different principles. In recent years, Canada's industrial system has undergone considerable development, from a country primarily concerned with the early stages in the processing of primary materials to one that is turning out more and more goods for final consumption. Consequently, in establishing the new classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. The purpose phase was regarded as most appropriate for the wide range of consumer goods such as clothing and foods and beverages.

The industries grouped under the component material phase of the classification from 1935 to 1948 were re-arranged to conform with the standard model. As most of the industries were not greatly affected by the change in classification they were transferred intact to the proper position in the new system. The standard classification, for the most part, provided for comparability at the industry level. It was applied to establishments for the first time in the 1949 census of manufactures. In a number of industries, where the change in classification seriously disturbed the continuity, establishments were re-combined for the whole period covered by the index. The manufacture of synthetic rubber, for example, was transferred from the rubber industry to "miscellaneous chemicals". Plants engaged in the production for distribution of manufactured gas were transferred from "coke and gas" to the gas and electricity division. The salt industry was adjusted so as to comprise only processing operations for inclusion in the manufacturing division of the index. Three minor industries which were reclassified to non-industrial groups were dropped from the computation.

The appropriate series in the manufacturing division were re-classified to obtain sub-indexes of economic significance. The movement of durable goods normally varies from that of non-durables. There tends to be greater fluctuation in durables from prosperity to depression, the demand for non-durables being more constant. The manufacturing division was therefore divided, at the major group level, as between durable manufactures and non-durable manufactures. Although these groupings are rather rough and ready, they are of great use in economic analysis. The classification into producers' and consumers' goods, attempted in some countries, involves more difficulty as many intermediate commodities have alternate uses, and was not attempted here.

Volume of Production, 1923-35.—The indexes of volume of production, 1923-1935 given in Table 7 below were constructed in the General Manufactures Section of the Industry and Merchandising Division for the years 1923 to 1946. On comparing the index for 1935 given in Table 7 which stood at 87.9 with the new index for 1935 at 86.5 given in Table 8, it would appear that for the back years little significant variation existed between the two series. The indexes in Table 7 may therefore be used in evaluating the changes in the volume of manufacturing production between 1923 and 1935.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would therefore be about 11 p.c. Exports of partly and fully manufactured goods increased from \$591,830,000 in the fiscal year ended Mar. 31, 1924, to \$686,876,000 in the fiscal

year 1929-30, the increase in exports representing about 3.6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada. From a high of 101.4 in 1929 the volume of production declined to 67.6 in 1932 and climbed again to 87.9 in 1935.

TABLE 7. Indexes of the Volume of Manufacturing Production, According to the Component Material Classification, 1923-35
(1935-39 = 100)

Year	Vegetable	Animal	Textiles	Wood and paper	Iron	Non-ferrous metal	Non-metallic mineral	Chemicals	Miscellaneous	All industries
1923	62.6	75.0	64.3	65.1	31.5	42.7	81.8	59.2	99.5	67.5
1924	67.8	80.4	62.1	64.0	68.6	46.4	78.9	60.5	95.0	66.3
1925	75.1	84.8	66.5	69.0	79.9	52.5	80.3	64.8	94.5	72.5
1926	80.2	92.2	75.8	78.1	102.6	58.6	89.6	70.5	104.4	82.5
1927	84.9	90.0	81.4	84.1	104.1	67.6	102.3	75.2	114.2	87.9
1928	93.5	92.9	87.0	92.5	117.1	75.3	116.3	82.7	110.5	95.8
1929	96.4	87.9	86.1	99.6	133.4	81.3	137.1	84.8	105.6	101.4
1930	91.6	85.3	80.0	92.1	108.6	76.8	122.9	74.9	87.8	91.9
1931	83.4	77.4	78.2	76.6	82.8	73.1	105.6	69.2	80.0	79.9
1932	74.1	76.7	74.6	68.0	53.5	58.9	75.1	66.0	75.8	67.6
1933	72.8	79.6	81.1	69.6	50.2	57.6	68.8	69.9	71.9	67.7
1934	82.4	86.5	89.5	81.5	67.6	70.8	82.5	79.3	85.2	79.6
1935	87.0	91.3	94.5	89.5	83.4	81.2	88.1	87.2	91.1	87.9

Volume of Production, 1935-1955.— The period covered by this report was characterized by unprecedented industrial expansion. Emerging from a depression practically world-wide in scope, industrial operations in this country entered a period of rapid growth which was maintained throughout the war and post-war years without important interruption.

A problem confronting business economists is to determine how much of the post-war industrial "drive" was due to normal growth factors and how much of it was caused by the backlog of war accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durables, non-durables such as textiles and clothing also started the post-war period with a sizeable backlog of unfilled demand. It is now becoming apparent, after the vigorous pace of business following the outbreak of hostilities in Korea, that a considerable portion of this demand has been satisfied and some industries, notably textiles, clothing, agricultural implements and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The high level of capital investment during the past few years which increased productive capacity, is beginning to be reflected in current production statistics. Huge expansion and development programmes are still under way in iron ore, aluminum and other metals, oil, chemicals, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should still exert some influence on the economic picture.

The volume of output of manufactures rose steeply after the outbreak of hostilities in 1939. Productive facilities

responded quickly to the urgent requirements of the armed forces. In the early days of the war, production assignments allotted were comparatively simple, but as the pre-war weapons became obsolete and as Canada proved herself capable of turning out larger and more complex equipment, the assignments constantly shifted, changed and grew more difficult. The production figures merely suggest the magnitude of the achievement. They cannot describe the tremendous effort needed to convert a semi-agricultural country into a wartime arsenal nor the complications which arose because of shortages of manpower, tools and materials.

The productive peak was reached in 1944, when weapons, supplies and equipment were rolling off the assembly lines at record-breaking pace. The end of hostilities and the subsequent reconversion to peace-time production were attended with declines in output in 1945 and 1946. The upward trend was resumed, however, in 1947. The rate of advance slackened moderately in 1948 and 1949 but regained most of its 1947 impetus in 1950 when the renewal of hostilities in Korea resulted in heavy anticipatory buying on the part of consumers and in growing expenditures for national defence. A remarkable feature is that in 1952, the index of the volume of manufacturing production which stood at 246.3 had surpassed the record wartime level of 242.3 established in 1944. The index continued to advance in 1953, reaching a record high of 263.0. In 1954 there was a minor recession and the index dropped to 251.4. With the upturn in economic activity which occurred in 1955 the index rose again to an all-time high of 270.1, exceeding the previous high of 1953 by 2.7 p.c.

TABLE 8. Indexes of the Total Volume of Manufacturing Production, Classified on the Basis of Durable and Non-Durable Goods, 1935-1955

(1935-39 = 100)

Year	All manufactures	Non-durable manufactures	Durable manufactures
1935	86.5	89.0	82.7
1936	95.5	97.1	93.1
1937	109.3	106.7	113.2
1938	100.6	98.9	103.2
1939	108.1	108.2	107.9
1940	134.4	124.6	149.7
1941	175.9	148.7	218.5
1942	215.7	169.4	288.1
1943	234.5	171.5	333.0
1944	242.3	179.8	340.1
1945	209.8	176.3	262.1
1946	189.9	180.2	205.1
1947	207.7	191.2	233.5
1948	215.5	197.1	244.4
1949	217.0	198.2	246.3
1950	228.1	208.3	259.1
1951	242.1	214.0	285.9
1952	246.3	215.2	294.9
1953	263.0	224.1	323.9
1954	251.4	221.7	297.7
1955	270.1	235.2	324.8

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly smoother than in the durable sector. Except for three years, 1938, 1945 and 1954, there has been no interruption in the upward movement of production during the period under review. Despite the fact that war contracts quickened the pace of output in some of the industries, production continued to expand after the war, although at a slower rate. Unlike durable goods, non-durable commodities are mostly consumers' goods and are less influenced by sudden changes in the international situation or the capital investment programmes of producers and governments. By 1955 the non-durables index of output had reached 235.2, the highest on record.

The production of **processed foods and beverages** rose without pause throughout the period. A characteristic of most **manufactured foods** industries is the high ratio of the value of materials consumed to the value of products, indicating a relatively low degree of fabrication per unit of output. The advance in the production of beverages was practically uninterrupted from 1935 to the present. In 1955, the volume of output was more than 3 times what it was in the base period. The largest increases were recorded in the **aerated waters** and **brewing** industries. The indexes of these industries attained levels approaching 414 and 375 in 1955: **Wine** production, after reaching a peak in 1947, dropped 36 per cent in the following three years. Some recovery was recorded during the next few years and in 1955 the output of new wine was 93 p.c. of the 1947 peak. Output of **liquor** climbed steadily until 1946 when the index reached 209. During the next four years, the volume of production fluctuated within narrow limits and in 1952 advanced sharply to an index level of 260, with a further rise to 290 in 1953. After declining moderately in 1954 the index rose again to 295 in 1955.

The great demand for cigarettes for members of the armed forces during the war contributed largely to the considerable increase in the **tobacco products** index which reached the record level of 230 in 1945. The index dropped to 204 the following year, but rose gradually thereafter to 228 in 1950. Weakening demand led to a decline of 7 per cent in 1951. Rapid recovery was made during the next four years with the index rising to 303.3 in 1955, highest on record.

The contribution of the "**Rubber Products**" industry to the war effort was mainly in the form of tires and tubes for military vehicles and aircraft. Production of passenger car tires and tubes was sharply curtailed as was the output of rubber footwear. After marked increases in 1940 and 1941, the index remained more or less stationary at around 150 until 1945 when civilian production was resumed and the index jumped to 180. The industry-wide strike in 1946 contributed to a decline in that year, but record-breaking demand for the industry's output led to sharp advances in the following years, and in 1951 the index had reached the maximum level of 264. During the next few years the index fluctuated moderately and in 1955 climbed to 296.

Output of **leather products** rose steadily until 1946 when the index reached a high point of 168. The subsequent easing of foreign demand for the industry's products contributed to the gradual decline of production in the post-war period with the result that this group has shown the smallest growth of any in the manufacturing sector. In 1955, volume of output was only 37 per cent greater than in the base period. Production of leather tanneries in 1954 was actually 4.0 p.c. lower than in 1935-39, while the output of boots and shoes was 48 per cent higher. Some recovery was made in 1955, the output of tanneries increasing 10 p.c. and footwear 53 p.c. over the base period. Since 1946 the overall index of this group dropped 19 p.c.

The **textile (ex. clothing)** industries reached their maximum wartime level of output in 1942 when the net index stood at 187. Production then fell off gradually until 1946 but recovered sharply in the post-war period to an index level of 212 in 1950. A slackening of demand for textiles during the next few years saw the index drop to 188 in 1953, with another sharp drop to 161 in 1954. Of all the industries of the non-durable goods sector, textiles were the hardest hit by the downturn in manufacturing activity in 1954. In 1955 there was substantial recovery and the index which rose to 185 was still, however, some 13 p.c. below the 1950 high. The movement of individual industries within the group has varied over the period. After reaching its highest level in 1942 the production of **cotton goods** declined steadily until 1947. After varying but fractionally in 1948 and 1949, output jumped 16 per cent in 1950, and remained practically unchanged in 1951, the recession in

the last six months of the year just about offsetting the gains recorded in the first half. With continuing adverse conditions, the index dropped to a post-war low of 115 in 1954. The recovery made in 1955 brought the index up to 136, still some 27 p.c. below the record of 187 attained in 1942. Contributing to the higher level of net output during the period 1940-1943 in this industry was the comparatively sharp increase in production of piece-dyed and printed and painted fabrics which require considerably more processing than ordinary grey fabrics. When output of these two types of cloth declined to more normal levels, the change was reflected in the annual indexes.

Since 1938, the production index for **synthetic textiles** showed an unbroken record of increases and in 1951 stood at 393. The adverse conditions prevailing in the textile industry generally during the past few years also affected the output of synthetic textiles. By 1954 the index dropped to 290 with an increase to 331 in 1955. Much of the credit for increasing consumer acceptance of synthetics belongs to the achievements of research in improving manufacturing and dyeing techniques and in the development of new combinations of various fibres with a new range of qualities and practical applications.

Synthetic fibres are now being used in the fabrication of a host of commodities such as suitings, overcoatings, blankets, carpets, draperies, upholstery products, tire fabrics, etc., in addition to hosiery, dress fabrics and other women's wear. Moreover, Canadian producers are now supplying the bulk of domestic synthetic raw material requirements which were formerly imported from the United States. As a result, new investment outlays by the industry have increased considerably in the post-war period.

The trend in the physical output of clothing was similar to that of other textiles, the production index reaching a peak of 162 in 1942, then declining gradually until 1945. Since then output fluctuated within narrow limits, dropping to a post-war low of 150 in 1951 and a high of 167 in 1953. The general decline in production in 1954 saw the index drop to 145. The recovery in 1955 was only moderate, the index rising to 149. The industry is now facing keen competition and a more selective retail demand. By improving manufacturing methods and styling, the industry hopes to make available more desirable merchandise at lower prices. Weak demand contributed to a marked decline in the level of new investment in durable physical assets. Funds expended for new plant, machinery and equipment dropped from \$15.7 million in 1949 to an average of \$13.0 million during the next four years. In 1954 and 1955 investment dropped to \$9.5 million per annum.

Production of **paper products** advanced sharply in the post-war period. The level of the index remained relatively steady from 1941 to 1944, but increased 54 per cent in the succeeding seven years to a record figure of 248. In 1952 the index dropped to 236 and increased to 268 in 1955. Activity in this sector of manufacturing is influenced mainly by the "**Pulp and Paper**" industry, which, in terms of value added, is the most important single manufacturing industry. In the last few years, the net value contributed by pulp and paper mills was more than twice that of any other industry. The growth of this industry during the period under review was characterized by two distinct phases. From 1935 to the end of the war, new investment by the industry was designed mainly to replace worn-out machinery and equipment and increases in output were principally the result of utilizing idle capacity after the depression of the thirties. Since 1945, however, with strong world demand for wood pulp and newsprint, together with the availability of necessary materials for expansion, the construction of new plant and the installation of new machinery and equipment reached record proportions. Investment in new plant and equipment, which averaged \$105 million during the previous three years dropped to an average of \$70.0 million in 1954 and 1955, a decrease of \$46 million from the record high reported in 1952.

Newsprint, pulp and paper board are the leading products of the pulp and paper industry. Production of newsprint in 1955 totalled 6,196,319 tons of which 5,763,167 tons were exported. Canada is thus the leading exporter of newsprint in the world. World exports of newsprint in 1954 are estimated at 6,788,000 tons, with Canada accounting for 81.3 p.c. of the total. Finland, Sweden and Norway, in the order named, are other substantial exporters of newsprint and between them have accounted for 10.5 p.c. of the total. Newsprint is also Canada's leading export and in 1955 was valued at \$665,876,987.

The **printing and publishing** industries expanded very little during the war years. In 1944, output was only about 15 per cent greater than in the base period. Production grew rapidly, however, after the end of hostilities and in 1955, volume of output was more than double what it was in the five pre-war years, although this represents a substantially smaller advance than total manufacturing. The post-war increase coincided with the gain in the value of new investment which was mainly in the form of machinery and equipment to make up for deficiencies dating back to the depressed thirties and the war years. Investment in fixed assets totalled \$16 million in 1953 and \$28 million per annum in 1954 and 1955 as compared with only about \$2 million in 1944.

With few interruptions, output of **petroleum and coal** products rose steadily over the period under review to an index of 385 in 1955. Although production of **coke** failed to exceed its record wartime volume, **petroleum refining**, as the result of record-breaking post-war demand for gasoline and fuel oils, showed a marked expansion. In 1955, the production index stood at 475 compared with a wartime high of 170 in 1944. In recent years, the industry has added substantially to its refining capacity. From 1947 to 1951, expenditures for new plant, machinery and equipment which averaged more than \$37 million a year rose to \$84 million during 1952, 1953 and 1954 and to \$109 million in 1955. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1955, oil from domestic wells represented 56 per cent of the total consumed by Canadian refineries. This compared with a contribution of 22 per cent in 1949.

Output of **chemical products** which include ammunition and explosives reached a record-high level in 1944 when the index stood at 390. Production in the post-war period has been at a considerably lower level, but increased significantly since 1950, with the advent of the defence programme. The index in 1955 stood at 292. The expansion of the industry during the war made possible the manufacture of many products which were formerly imported. In addition, several entirely new products, such as synthetic rubber, were introduced. Demand for these commodities continued in the post-war period and the development of new sources of basic materials, together with the progress of research into additional commercial uses for these new compounds resulted in further expansion of production for civilian use.

The rapid wartime advance was mainly the result of the enlargement of the munition programme with the government and private industry combining forces in the construction of a huge explosives and ammunition-filling industry. At its peak in 1943, the production index for **explosives and ammunition** was 20 times higher than in the base period. Output dropped very rapidly after the end of the war and in 1946 the index was down to 107.

Since the Government-owned Polymer Corporation began producing **synthetic rubber** in 1943, output of this important commodity has expanded considerably, to a total of 115,000 tons in 1955. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels since 1950, as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1955, synthetic rubber accounted for 46 per cent of total new rubber consumed in Canada. This commodity is classified to the "**Miscellaneous Chemicals**" industry.

TABLE 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-1955

(1935-39 = 100)

Year	Non-durable manufactures										
	Foods	Beverages	Tobacco and tobacco products	Rubber products	Leather products	Textile products (except clothing)	Clothing (textile and fur)	Paper products	Printing, publishing and allied trades	Products of petroleum and coal	Chemicals and allied products
1935	88.8	78.6	80.7	87.9	95.9	91.1	91.8	90.0	93.9	87.6	85.7
1936	97.7	93.2	88.9	96.2	96.3	101.7	97.0	98.9	99.5	95.7	92.1
1937	101.6	109.5	101.2	112.3	105.7	110.2	104.8	114.0	105.6	104.6	107.4
1938	102.5	107.2	110.9	97.0	93.3	88.8	98.4	91.7	98.9	102.7	103.5
1939	109.4	111.5	118.2	106.6	108.7	108.2	108.0	105.4	102.2	109.4	111.3
1940	119.4	131.0	126.6	116.5	116.1	147.6	125.5	126.6	102.1	125.9	136.2
1941	139.1	151.9	140.9	154.4	141.1	167.5	141.8	143.7	113.4	141.1	210.9
1942	144.3	174.5	171.5	150.6	150.0	186.8	161.9	143.4	114.4	138.2	345.8
1943	156.0	162.0	183.8	147.0	151.1	172.1	156.7	140.0	111.7	150.0	369.3
1944	171.1	190.5	200.6	149.0	149.6	162.0	147.1	149.1	114.9	171.8	390.4
1945	170.0	205.1	230.2	180.2	155.0	160.5	146.6	161.2	125.8	167.5	292.8
1946	177.2	234.4	204.4	158.0	167.9	161.7	152.9	188.9	143.8	167.4	237.7
1947	181.5	249.4	211.9	230.7	148.7	172.9	147.7	207.4	163.3	181.2	245.5
1948	183.0	270.9	215.8	227.6	129.6	180.2	156.0	217.7	177.2	199.0	243.2
1949	180.3	285.7	224.4	208.5	133.5	186.0	159.4	213.7	183.8	218.0	239.5
1950	183.6	282.9	227.5	251.9	126.8	212.4	155.7	230.4	195.3	243.5	253.7
1951	188.7	297.7	212.2	264.3	117.0	208.6	149.7	247.8	194.7	274.9	267.8
1952	195.5	323.6	242.3	246.4	128.0	184.1	154.4	235.5	192.4	295.1	272.4
1953	194.0	336.6	269.6	264.2	136.7	187.6	167.3	244.7	204.8	324.3	284.4
1954	198.1	328.6	279.3	252.6	128.6	161.0	145.4	254.4	214.8	336.9	285.0
1955	203.0	358.3	303.3	296.3	136.7	185.3	149.0	267.7	219.5	385.4	291.8

Durable Manufactures

The tremendous increase in physical output during the war years was mostly concentrated in the durable goods sector. When war was declared in September, 1939, there were virtually no armament works, no production of large ships and large planes, no guns, no tanks. Within a few years Canadian plants were turning out naval and merchant ships, warplanes ranging up to the 15-ton Lancaster bomber, military vehicles, millions of rounds of ammunition and hundreds of other war items. On the base of 1935-39 the new volume index of durable manufactures reached a peak of 340 in 1944. In the following two years it declined sharply and stood at 205 in 1946. Since then it has almost regained the lost ground, and reached 325 in 1955, only 4.5 p.c. below the war-time peak of 340.

The largest gain occurred in the output of **transportation equipment**. Due principally to the tremendous increases in production of ships and aircraft, the index for this group of industries rose to the record level of 694 in 1944, the year of maximum war production. After reaching a post-war low of 222 in 1946, the index rose moderately during the next three years, but, spurred by the great demand for passenger cars and by the renewal of defence production, marked gains were made since 1950, with the index climbing to 436 in 1953. The minor recession in industrial production in 1954 affected this group more than any other. The index dropped to 355, a decline of 18.7 p.c. as compared with the previous year. In 1955 there was another minor decline with the index dropping to 351. This was the only group to report a lower volume output in 1955.

The **iron and steel** group of industries was also considerably affected by war requirements. As most of the industries in this sector were more firmly established in the pre-war period, they did not expand relatively to the same extent as shipbuilding and aircraft. When European supplies were cut off early in the war, the Canadian basic steel industry had to rely

on the United States for a greater supply and had to increase its own steel-making capacity to meet abnormal wartime requirements. However, development of the industry did not halt with end of hostilities. Canada's industrialization programme, together with strong post-war demand for consumers' durable goods, led to steady expansion of the industry so that by 1953, the index for the group stood at 291. Compared with pre-war, pig iron output had more than tripled, and steel ingot and casting production had risen by 170 and 74 per cent respectively. Due to the contraction in the demand for durable goods in 1954 the index for the group dropped to 252, down to about the 1947 level. Pig iron at 2,211,000 tons was down 27 p.c. and steel ingots at 3,195,000 were 22 p.c. lower. However, rapid recovery was made in 1955 when the index rose to 287, only a few points below the record high of 293 attained in 1952. Production of pig iron in 1955 totalled 3,215,000 tons and steel ingots and castings 4,535,000 tons. The additional capacity constructed during the past few years should reduce still further the country's dependence on United States imports of finished and semi-finished iron and steel shapes. Indicative of the rapid growth of the industry in recent years is the amount of funds expended for new plant, machinery and equipment. From an average annual expenditure of \$62 million during the previous five years new investment jumped to \$136 million in 1952 and \$114 million in 1953. New investment in 1954 amounted to \$88 million and in 1955 to \$95 million.

To meet the need for electrical and radar equipment and signalling devices, the **"Electrical Apparatus and Supplies"** industry manufactured articles during the war which were previously not made in Canada. Output of civilian radio receiving sets and appliances was severely curtailed as the industry converted the major part of its productive capacity to the manufacture of war instruments. The production index reached a wartime peak of 312 in 1944 and declined during the next two years. The industry recovered rapidly, however, as a result of accumulated demand for radios, consumers' appliances and

heavy electrical equipment, and by 1952 the index had jumped 60 per cent from its 1946 post-war low, to a level of 393. Due mainly to the heavy demand for television sets, the index in 1953 advanced sharply to 487 an increase of 24 per cent over the previous year. In 1954 the index declined moderately to 478, but rose sharply in 1955 to an all-time high of 535.

Production in the **non-ferrous metals** group of industries reached a wartime maximum in 1943 when the net index stood at 285. During the next three years, output dropped 44 per cent, but recovered steadily thereafter, backed by sustained demand for base metals. In 1955 the index stood at 271. Aluminum which is an important component of the group is being fabricated into an ever-increasing variety of commodities, and production of aluminum bars and rods, sheets, shapes, etc., reached record proportions in the post-war period. During the war years, aluminum sheet production was of a strong alloy type used principally in aircraft construction and required more fabrication than the regular type of sheet used in the production of cooking utensils and other civilian items.

Military requirements did not affect the nature of output in the non-metallic mineral products group of industries. In war or peace, the bulk of production consists of construction materials such as cement, cement products, building brick, lime and gypsum products, glass, stone products, etc. During the war, under government control, a major proportion of these industries' products were channelled into construction of new war production plants, extensions to pre-war plants, housing for war workers and the building of training and operation facilities for

the armed services. No serious reconversion problems were encountered by the non-metal industries immediately following the war. After a slight pause, following the peak of wartime output, plants turned their productive capacity towards meeting the unprecedented demands of the post-war construction boom. From a wartime maximum of 212 in 1943, the volume index dropped moderately in 1944 and 1945, but rose steeply in succeeding years to reach the record level of 471 in 1955.

In the durables sector, the **wood-using** industries were the least affected by the war. The volume of output of wood products expanded steadily without any serious interruption throughout the war and post-war years. In 1953 the index stood at 235, the highest on record. In 1954 the index declined fractionally to 230, but advanced sharply the following year to an all-time high of 255. The two most important industries are "**Sawmills**" and "**Furniture**". The index representing the former, after reaching a wartime maximum of 140 in 1942, declined considerably in 1943, and hovered around 124 during the next two years. Beginning in 1946, output rose sharply, spurred by strong foreign and domestic demand for sawn lumber and by 1951, the index had advanced to 168, but declined to 164 in 1952. Considerable improvement took place since then with the index advancing to 199 in 1955. Production in the furniture industry expanded throughout the period under review. The great increase in residential construction in the post-war period, together with the marked gain in new family formations created a boom for producers of house furnishings. Output of furniture jumped sharply in the three years immediately following the end of the war and rose more gradually during the subsequent period.

TABLE 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-1955

(1935=100)

Year	Durable manufactures					
	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
1935	85.3	80.5	90.0	78.5	83.8	75.1
1936	95.8	93.0	93.5	91.5	91.2	91.7
1937	108.0	118.1	114.3	106.5	118.7	117.4
1938	102.2	100.7	101.0	109.3	102.4	105.5
1939	108.8	107.7	101.3	114.3	103.8	109.8
1940	132.1	162.3	165.1	138.0	152.9	138.4
1941	150.2	238.0	291.8	193.5	225.8	184.9
1942	156.0	315.9	439.9	255.3	273.5	209.8
1943	148.4	362.4	562.8	284.9	310.5	211.6
1944	153.4	326.2	693.7	256.2	312.1	205.3
1945	155.6	265.2	453.7	193.4	258.1	195.8
1946	175.0	222.6	221.5	160.1	247.3	221.4
1947	195.6	249.9	239.5	182.8	316.8	269.8
1948	200.7	270.4	232.6	201.6	328.5	283.7
1949	202.3	264.5	243.9	200.5	333.8	284.4
1950	215.1	263.2	262.2	212.8	367.6	314.6
1951	220.6	292.2	315.0	234.7	392.3	342.1
1952	214.1	292.7	373.1	232.2	393.1	346.1
1953	235.3	290.8	436.3	243.3	486.7	399.0
1954	230.3	251.8	354.9	246.7	477.8	409.5
1955	255.1	287.3	350.7	270.9	535.2	471.5

SECTION 3. PRODUCTION BY INDUSTRIAL GROUPS AND INDIVIDUAL INDUSTRIES

Subsection 1. Manufactures Grouped on the Standard Classification Basis

Three important changes have been made during the past few years in the methods of collecting and compiling the returns of the annual survey of manufactures. First was the adoption in 1949 of the Standard Industrial Classification. This new classification superseded the classification formerly used by the Bureau, which was based on the nature of the materials used by manufacturing establishments.

For most purposes, a classification of manufacturing industries based upon "chief component material" has in the past proved most useful in Canadian industrial classification. The Bureau's classification based on this concept has been the one most widely adopted for general purposes, such as the decennial census, foreign trade, industrial statistics, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of such a group as "Textile Products" comprised partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, which form final products such as pig iron, lumber or processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such production becomes more and more complex. The modern automotive, aircraft, shipbuilding and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the compilation of the final product. For this reason, the application of the component material classification became increasingly more difficult as Canadian manufacturing production developed and diversified.

In establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries, the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established. Some industries were broken down, such as the electrical apparatus and supplies which now comprises five industries—(a) batteries, (b) heavy electrical machinery, (c) radios, television sets and parts, (d) refrigerators, vacuum cleaners and appliances, and (e) miscellaneous electrical products. In some cases, establishments were transferred from one industry to another in order to bring them in line with the new industries which were established. Where an industry was eliminated, the establishments were transferred to one or several industries, depending on the nature of the principal products manufactured. A check was also made of all establishments and many transfers were made where the major products of the establishment had changed materially during the years. By and large, little change was required for most industries, the only change being a transfer to the new major groups which were established.

In the Standard Classification adopted in 1949 the industries are now grouped into seventeen major groups listed in Table 11, instead of the nine groups listed in Table 13 which were formerly used as the main basis of classification. The grouping used in Table 11, where the statistics of individual industries are presented in detail, and in the historical series shown in Table 3 is, therefore, on the basis of the new Standard Industrial Classification. However, to retain some basis of continuity with the past, there is a less detailed analysis given in Table 13 on the component material classification basis, while Table 14 gives the industries on the basis of the origin of the materials used.

The second major change was the adoption of the short form in 1949, which goes a long way in relieving small manufacturers from the irksome duty of filling in complicated and detailed returns to the Bureau.

The growing complexity of modern economic life compels governments to obtain more and more data on which to base their economic policies and for the efficient discharge of their responsibilities in the ever-widening field of activity. To get this information is expensive and also throws a burden on industry in general, which of necessity must be called upon to furnish the desired data. Realizing this, and also the fact that the necessary information must be secured, the Bureau has been casting about for new statistical techniques which would lessen the burden on industry and also would, at the same time, secure substantially correct data for the use of the administrator. With manufacturing statistics, unfortunately, the sampling techniques are difficult to apply. Other methods, therefore, had to be adopted in order to lessen the burden of the smaller manufacturer at least and, at the same time, secure substantially correct results. It was found, for example, that in 1949 out of 35,792 manufacturing establishments, 21,060 with a value of production of \$50,000 or less, contributed only 2.6 p.c. of the total value of production. On the surface it looked obvious that the Bureau could exempt these 21,000 establishments from making annual returns and still obtain satisfactory results. This would be true if we were only interested in the total value of production or the total value of materials used. This, however, is not the case, as the users of the statistics are also interested in the details of the products made and the materials used. By a study of each industry it was found that by exempting the smaller establishments in some industries, that for some commodities produced or materials used there would be a 50 p.c. loss of the total. Complete exemption was therefore out of the question. New methods had to be designed to relieve small establishments of the difficult task in furnishing information. A study was therefore made of each industry classification, of which there are about 200, and different cut-off points were determined for different industries. The general rule adopted was that wherever possible establishments with a value of production of less than \$50,000 per annum should only be required to furnish that one figure to the Bureau, and that on the basis of the information received from the smaller establishments in 1948, the last year for which they were required to furnish complete details, the Bureau would estimate for each small establishment individually the number of employees, salaries and wages paid, as well as the value of materials used. This is done in order to have a hollerith card for each establishment to use in the compilations on a geographical basis. In addition to the principal statistics, details of materials used and products made by the short-form firms are also made for each industry, by province. These estimates are based on the detailed statistics supplied by the small establishments in 1948. These estimates cannot be far out, as in most industries the percentage that these smaller establishments contribute to the total for the industry is only from 10 to 20 p.c. Where it was found that there would be a great loss in commodity data, instead of asking only for the gross value of production, the smaller firms were required to fill in a shorter form which lists the commodities in which there would be a substantial loss if no information was obtained from small firms. In other cases the cut-off point was reduced to \$25,000 or \$15,000.

An important change was made in the annual census of manufactures for 1952. A shipments concept instead of the value of production statistics heretofore compiled was adopted for a large number of industries where it was known that inventory changes from year to year were only of a minor nature. The concept was not changed for industries known to experience wide fluctuations in inventory holdings, pending further study for the need of both production and shipments information. By 1954 the shipments concept was implemented for almost all industries. Industries for which production statistics are still

required are asked to report the detail of products made in physical quantities only and at the same time are required to report details of their shipments, giving both the quantity as well as the selling values at the plant. In a few industries such as sawmills, veneer and plywood, etc., production statistics only are still collected, the products made being valued on the basis of average selling prices during the current year.

The aim of the new Census of Industry schedule is to ease the burden of filling out Bureau questionnaires. The value of shipments concept for small and medium sized establishments is more realistic and more readily obtainable from the accounting records of firms, whereas the value of products made, for firms not recording such information, must be derived from special calculations. The value of shipments provides a standard basis of reporting for all establishments. Under the old system some establishments reported the value of products made and others the value of factory shipments, even though the schedule required products made to be reported. This was especially true for small and medium sized establishments. Further, a great number of firms, attempting to report production values to fill the requirements of the old questionnaire, in fact computed their cost of production rather than their selling value, as they were supposed to. Since the value of shipments is usually carried in the firm's accounts, the work of filling out reports should be lessened and the questionnaire should as a result be filled out more promptly. The change should ease the burden for small establishments in particular, since the value of sales is readily available from their accounting records.

Under the "value of products" concept, establishments were required to report the factory selling value of the products made, whether sold or not, the unsold portion being assigned the average selling value of similar articles sold during the year. Where no selling values were available for the unsold portion estimated values had to be assigned. Under the new concept establishments are required to report their sales during the year, regardless of when the products were made.

These two concepts give different results, the first gives the value of products made and the second the value of products sold. For a large number of industries where normally there is no significant changes in the opening and closing inventories of finished products, these two sets of figures may be used interchangeably as they both reveal more or less the value of production and are, therefore, comparable with figures for previous years. There are, however, a number of large key industries with substantial changes in their opening and closing inventories. In such industries the new concept gives quite different results to that obtained formerly. To get comparable figures, the shipments figures must be converted to a production basis by adjusting for inventory change.

The change to the new concept solved the problem of uniformity of reporting inasmuch as the smaller firms who previously were reporting shipments instead of production are now reporting correctly. However, the new method has created other problems. One of these is the calculation of "value added by manufacture," which is obtained by subtracting from the value of production the cost of materials used, including the cost of fuel and electricity. Since the value of production is not now being reported, it has to be calculated by using the following formula.

"Shipments plus closing inventory of finished products minus the opening inventory of finished products equals value of products made." In order to enable the Bureau to calculate "value added," it became necessary to ask firms to report their opening and closing inventories, broken down into (a) raw materials, (b) goods in process, and (c) finished products. These questions were added to the form for the 1954 census. As the schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added by manufacture is obtained by subtracting from the shipments the cost of materials used, including fuel and electricity.

In theory, adjustment should also be made for the change in work in process inventory, and ideally the inventory adjustment should be on a "value of the physical change" basis rather than the "change in book value." However, it has not been possible to introduce these refinements at the present time.

Another difficulty has arisen in implementing the shipments concept in the case of multiple unit firms that ship the products from the various plants to a central warehouse, located in another city, where the selling function of the firm is performed. In such cases the goods leaving the plant are considered as being shipments under our definition even though the ownership still remains with the reporting firm. Such firms are considered as performing two distinct functions—(a) manufacturing, and (b) distributing—and these two functions are treated statistically as if they were performed by two different organizations. In many cases no stock is held at the plant; consequently shipments and production reported on a plant basis are one and the same. We therefore are still getting production figures from firms that sell from a central warehouse. Where the manufactured products are billed to the warehouse, the firm is required to report the total of such billings during the year. In some cases the production and distribution functions are treated in the accounting records as a unified operation, no charge being made to the warehouse of the products shipped. In such cases firms are instructed, if possible, to report the shipments on a cost of production basis, with a percentage mark-up for profits. The aim of the Division is to get companies to report their shipments on the same basis as if they were selling to an independent wholesaler.

Having received a return from all manufacturing establishments and the value of their products totalled, the question now is "What does this total mean?" The truth of the matter is that a total value of production for a group of industries or all industries for a single year has no significant meaning. To add the value of production of flour mills to that of the baking industry would give an inflated value of production since part of the flour which was sold to bakeries is valued twice, first as a product of flour mills and again in the cost of bread. For example, if a flour mill would produce \$1.00 worth of flour and sell it to a baker, the baker would use this dollar's worth of flour, and after further processing would sell it for \$2.14 according to the experience of the baking industry for 1954. According to the statistics obtained for that year for every dollar's worth of materials used the products made were valued at \$2.14. When you add the production of these two establishments, you get a value of \$3.14. There is thus duplication where the products of one establishment become the raw materials of another establishment. However, in the present issue, the totals of gross value of production or shipments are shown as a matter of historical interest.

A more meaningful indicator had to be evolved to measure the importance and wealth created by an industry or group of industries. This was found in the concept "value added by manufacture." This figure is obtained by subtracting the cost of fuel and electricity as well as the cost of materials used from the gross value of the products, and represents the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication, within the manufacturing sector value added figures are therefore more representative of the total value of manufacturing production than the gross value of production figures.

The concept of "net value" is also important in evaluating the importance of an industry as a creator of economic wealth. Usually the gross value of production is used in ranking industries. This method has the defect of overevaluating industries that use expensive raw materials which undergo little processing. The following table ranks the fifteen leading industries in 1954 on the basis of "gross" and "net" value of production.

	Selling value of factory shipments		Value added by manufacture	
	Amount	Rank	Amount	Rank
	\$'000,000		\$'000,000	
Pulp and paper	1241.6	1	641.1	1
Non-ferrous metal smelting and refining	922.6	2	352.0	2
Petroleum products	909.3	3	309.8	3
Slaughtering and meat packing	837.5	4	157.7	9
Motor vehicles	666.3	5	176.5	8
Sawmills	572.2	6	263.6	4
Butter and cheese	412.2	7	99.4	24
Primary iron and steel	383.2	8	217.5	5
Aircraft and parts	343.0	9	181.4	7
Miscellaneous food preparations	306.5	10	90.4	27
Railway rolling stock	283.4	11	116.7	18
Bread and other bakery products	280.2	12	139.9	14
Miscellaneous electrical apparatus and supplies	267.6	13	145.6	13
Rubber goods (including footwear)	264.2	14	149.0	10
Printing and publishing	256.7	15	182.9	6

In interpreting the statistics of individual industries, it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry, amounting to \$104,853,748 in 1950, does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product is confectionery had a value of production of \$104,853,748. This figure, in addition to confectionery, includes all the subsidiary products made by these firms such as ice cream which was valued at \$2,214,689 and bread and other bakery products valued at \$2,457,312. Confectionery is also

produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to "The Alphabetical List of Products" published annually as Appendix II to this report.

Table 11 presents for the year 1955 detailed statistics regarding the individual industries under which all industrial plants in Canada are classified. The industries are further assembled under seventeen main groups according to the Standard Industrial Classification.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1955

No.	Province, industry and group	Establishments	Supervisory and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
		No.	No.	No.	\$	No.	No.	\$
Province								
1	Newfoundland.....	785	1,852	329	6,091,470	6,959	1,221	22,512,998
2	Prince Edward Island.....	204	357	98	962,201	955	359	2,111,884
3	Nova Scotia.....	1,524	3,754	1,076	14,456,233	22,012	3,376	62,099,690
4	New Brunswick.....	1,052	2,696	859	11,108,907	15,913	2,966	45,574,438
5	Quebec.....	12,194	64,815	24,803	354,837,904	247,984	91,973	916,240,049
6	Ontario.....	13,276	103,142	43,679	610,157,207	373,813	93,238	1,478,748,420
7	Manitoba.....	1,549	6,344	2,390	31,719,240	25,082	7,502	89,999,333
8	Saskatchewan.....	960	2,383	871	9,973,963	7,264	972	24,851,548
9	Alberta.....	2,126	6,384	1,995	27,760,078	22,991	3,476	78,788,737
10	British Columbia.....	4,486	15,119	4,478	79,930,870	73,639	9,172	273,879,857
11	Yukon and Northwest Territories.....	26	35	10	144,013	109	16	460,494
12	Canada.....	38,182	206,881	80,588	1,147,142,086	796,721	214,271	2,995,267,448
Industrial group								
13	Foods and beverages.....	8,134	25,698	10,434	128,857,099	107,325	36,628	369,929,478
14	Tobacco and tobacco products.....	56	793	428	5,778,275	3,278	5,030	23,668,616
15	Rubber products.....	82	3,665	1,494	20,926,441	12,984	3,770	52,848,523
16	Leather products.....	646	2,671	1,221	14,717,680	15,190	11,493	54,252,596
17	Textiles.....	977	8,397	4,247	50,921,133	35,815	20,685	136,883,911
18	Knitting mills.....	296	1,409	1,197	9,192,965	6,384	12,668	38,015,243
19	Clothing.....	2,648	7,402	4,410	46,444,787	22,064	55,810	149,991,692
20	Wood products.....	11,804	21,431	3,531	71,860,965	103,276	5,435	282,578,932
21	Paper products.....	580	11,309	4,454	79,547,953	65,858	8,129	270,229,096
22	Printing, publishing and allied industries.....	4,494	17,056	10,629	94,464,145	33,313	8,604	140,115,713
23	Iron and steel products.....	2,895	30,473	10,352	174,476,424	134,125	6,750	493,180,655
24	Transportation equipment.....	294	22,737	6,164	131,587,688	99,243	3,645	358,847,308
25	Non-ferrous metal products.....	581	8,275	2,812	50,902,785	39,210	3,014	150,207,094
26	Electrical apparatus and supplies.....	468	17,931	7,013	101,455,460	35,410	15,890	162,576,014
27	Non-metallic mineral products.....	1,171	5,470	1,735	29,503,184	29,718	2,026	101,503,547
28	Products of petroleum and coal.....	106	4,782	1,547	28,213,364	11,094	63	44,223,195
29	Chemicals and allied products.....	1,126	12,349	6,300	78,441,944	27,362	5,845	106,825,999
30	Miscellaneous industries.....	1,524	5,033	2,620	29,849,794	15,072	8,786	59,389,836
1. Foods and beverages:								
Bakery products:								
31	Biscuits.....	43	445	268	2,713,054	2,232	3,179	11,898,348
32	Bread and other bakery products.....	2,618	3,711	1,318	14,522,303	22,396	6,991	73,237,701
Beverages:								
33	Breweries.....	58	1,457	389	10,224,567	6,445	77	24,163,118
34	Carbonated beverages.....	540	1,792	613	8,539,456	4,863	337	12,103,297
35	Distilled liquors.....	20	721	327	4,406,058	2,605	1,526	13,241,927
36	Wines.....	20	113	50	858,204	321	54	1,048,788
Canning and processing:								
37	Fish processing.....	574	1,435	347	5,426,972	8,848	3,996	20,893,410
38	Fruit and vegetable preparations.....	459	1,957	1,004	11,275,137	7,209	6,981	27,664,439
Dairy products:								
39	Butter and cheese.....	1,423	3,255	1,668	13,240,683	14,715	806	43,429,853
40	Cheese, process.....	18	204	60	1,019,237	549	371	2,381,771
41	Concentrated milk products.....	29	187	108	996,420	1,115	66	3,316,514
42	Dairy products, other.....	44	155	75	792,688	492	124	1,471,354
Grain mill products:								
43	Feeds, stock and poultry, prepared.....	769	1,444	493	5,332,668	4,258	181	11,327,232
44	Feed mills.....	605	589	55	1,114,154	882	10	1,579,371
45	Flour mills.....	77	907	437	4,910,319	3,344	165	10,568,498
46	Foods, breakfast.....	17	139	102	969,483	675	346	3,170,003
Meat products:								
47	Animal oils and fats.....	15	54	16	338,670	278	3	809,351
48	Sausage and sausage casings.....	93	269	75	1,110,801	755	388	2,922,661
49	Slaughtering and meat packing.....	153	3,918	1,286	22,034,636	15,107	3,344	60,972,310
Other food industries:								
50	Confectionery.....	227	684	537	4,505,798	3,316	4,587	16,787,371
51	Macaroni and kindred products.....	17	66	25	416,084	395	186	1,342,051
52	Sugar refining.....	11	512	99	2,749,739	2,526	239	8,798,347
53	Miscellaneous food preparations.....	304	1,684	1,082	11,059,968	3,989	2,671	16,801,763
54	Totals, foods and beverages.....	8,134	25,698	10,434	128,857,099	107,325	36,628	369,929,478
2. Tobacco and tobacco products:								
55	Tobacco, cigars and cigarettes.....	40	619	401	4,780,608	2,326	4,124	20,338,238
56	Tobacco processing and packing.....	16	174	27	997,667	952	906	3,330,378
57	Totals, tobacco and tobacco products.....	56	793	428	5,778,275	3,278	5,030	23,668,616
3. Rubber products:								
58	Rubber goods including footwear.....	82	3,665	1,494	20,926,441	12,984	3,770	52,848,523
59	Totals, rubber products.....	82	3,665	1,494	20,926,441	12,984	3,770	52,848,523

1. Includes about 25,000 "Working Proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1955

Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
\$	\$	\$	\$	\$	\$	
10,361	28,604,468	5,446,202	49,914,856	60,586,922	115,579,036	1
1,769	3,074,085	383,158	16,803,035	6,431,660	23,628,831	2
30,218	76,555,923	10,661,696	175,194,419	139,646,423	331,129,690	3
22,434	56,683,345	12,458,196	160,905,219	120,808,214	294,829,050	4
429,575	1,271,077,953	159,456,200	3,152,541,331	2,622,333,056	5,922,367,074	5
613,872	2,088,905,627	202,930,013	5,014,225,423	4,426,654,771	9,617,642,961	6
41,318	121,718,573	11,439,959	329,698,765	247,472,108	588,351,081	7
11,490	34,825,511	7,781,357	174,078,701	113,598,622	295,162,037	8
34,846	106,548,815	12,496,242	366,022,853	263,308,701	641,148,235	9
102,408	353,810,727	34,555,265	895,973,668	750,877,508	1,679,344,816	10
170	604,507	181,182	2,843,895	1,732,511	4,751,000	11
1,298,461	4,142,409,534	457,789,470	10,338,202,165	8,753,450,496	19,513,933,811	12
180,085	498,786,577	53,478,817	2,319,782,949	1,257,652,677	3,614,315,616	13
9,529	29,446,891	731,197	163,027,885	88,652,932	250,933,785	14
21,913	73,774,964	4,173,111	137,074,770	187,029,017	322,412,379	15
30,575	68,970,276	2,116,376	108,961,619	107,215,340	218,043,090	16
69,144	187,805,044	13,817,131	408,890,576	314,533,385	734,515,445	17
21,658	47,208,208	1,871,873	75,705,514	77,465,979	155,126,763	18
89,686	196,436,479	3,001,368	359,882,938	323,644,673	684,361,902	19
133,673	354,439,897	18,918,344	723,815,493	631,857,981	1,375,343,554	20
89,750	349,777,049	94,775,283	793,008,069	867,261,587	1,754,098,505	21
69,602	234,579,858	4,996,619	199,161,743	415,668,242	619,828,786	22
181,700	667,657,079	54,743,770	1,005,246,993	1,199,245,953	2,242,717,718	23
131,789	490,434,996	19,076,276	1,117,768,836	809,748,007	1,950,410,035	24
53,311	201,109,879	62,399,689	974,792,188	590,744,048	1,626,980,855	25
76,244	264,031,474	7,876,225	477,655,753	469,918,651	962,615,012	26
38,949	131,006,731	40,069,718	174,489,301	301,656,877	514,118,801	27
17,486	72,436,559	38,992,273	704,384,995	417,349,989	1,160,824,499	28
51,856	185,267,943	33,085,570	480,104,190	528,928,509	1,044,079,000	29
31,511	89,239,630	3,665,780	114,448,353	164,876,649	283,147,866	30
6,124	14,611,402	1,007,937	34,000,392	36,312,264	71,677,784	31
34,416	87,760,004	9,656,879	133,299,250	146,133,537	289,019,294	32
8,368	34,387,685	2,730,387	48,677,904	158,370,826	210,571,853	33
7,605	20,642,753	3,049,525	37,712,394	76,015,420	116,582,499	34
5,179	17,647,985	2,235,285	44,385,387	86,402,608	129,629,813	35
538	1,906,992	154,026	5,442,759	7,377,747	12,396,135	36
14,626	26,320,382	2,663,141	101,921,132	55,304,122	159,888,395	37
17,151	38,939,576	3,119,473	143,958,545	97,208,879	234,075,326	38
20,444	56,670,536	8,218,389	315,926,042	103,069,896	427,092,300	39
1,184	3,401,008	134,226	20,003,518	5,518,648	25,280,990	40
1,476	4,312,934	1,457,909	53,419,184	15,337,918	71,583,531	41
846	2,264,042	357,866	6,563,310	5,161,113	12,099,114	42
6,376	16,659,900	2,958,794	147,732,071	38,987,058	189,799,395	43
1,536	2,693,525	736,770	19,978,186	5,404,180	26,048,402	44
4,853	15,478,817	1,721,398	185,004,008	35,538,808	221,894,538	45
1,262	4,139,486	334,904	10,497,068	17,638,670	28,584,222	46
351	1,148,021	290,196	3,141,751	2,458,548	5,912,675	47
1,497	4,333,462	413,245	16,712,681	9,686,079	26,760,222	48
23,555	83,006,946	5,029,463	627,479,460	178,578,637	809,467,773	49
9,124	21,293,169	1,257,700	61,152,885	50,347,912	112,630,426	50
672	1,758,135	156,629	5,971,292	3,846,453	9,896,911	51
3,376	11,548,086	2,532,298	87,782,720	33,002,905	119,672,837	52
9,426	27,861,731	3,262,377	209,020,810	89,950,469	303,751,181	53
180,085	498,786,577	53,478,817	2,319,782,949	1,257,652,677	3,614,315,616	54
7,470	25,118,846	462,692	84,438,935	78,959,320	162,382,718	55
2,059	4,328,045	268,505	78,588,950	9,693,612	88,551,067	56
9,529	29,446,891	731,197	163,027,885	88,652,832	250,933,785	57
21,913	73,774,964	4,173,111	137,074,770	187,029,017	322,412,379	58
21,913	73,774,964	4,173,111	137,074,770	187,029,017	322,412,379	59

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1955 - Continued

No.	Province, industry and group	Estab-lish-ments	Supervisory and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
		No.	No.	No.	\$	No.	No.	\$
4. Leather products:								
1	Footwear, leather	257	1,598	784	8,913,779	9,222	8,225	33,926,151
2	Gloves and mittens, leather	72	139	66	705,794	568	938	2,419,940
3	Leather tanning	54	353	110	1,970,749	3,065	293	9,393,727
Other leather industries:								
4	Belting, leather	10	29	16	177,608	82	9	249,171
5	Boot and shoe findings, leather	31	68	21	336,905	396	115	1,101,746
6	Miscellaneous leather goods, n.e.s.	222	484	224	2,612,845	1,857	1,913	7,161,861
7	Totals, leather products	646	2,671	1,221	14,717,680	15,190	11,493	54,252,596
5. Textiles:								
Cotton goods:								
8	Cotton thread	11	114	90	843,585	205	530	1,431,008
9	Cotton yarn and cloth	50	2,034	1,179	11,905,273	11,890	6,434	44,505,777
10	Miscellaneous cotton goods	15	63	18	433,796	451	90	1,366,573
Woolen goods:								
11	Carpets, mats and rugs	18	164	93	933,232	837	433	3,319,834
12	Woolen cloth	70	553	329	3,544,869	3,424	2,327	12,977,833
13	Woolen yarn	44	276	147	1,603,874	1,187	1,327	5,477,076
14	Miscellaneous woollen goods	37	241	81	1,722,002	1,479	426	5,151,070
15	Synthetic textiles and silk	48	2,669	1,177	15,890,590	8,828	2,734	31,036,660
Other primary textiles:								
16	Dyeing and finishing of textiles	56	303	91	1,641,718	1,471	197	4,417,218
17	Narrow fabrics	47	138	109	1,002,735	923	890	3,987,847
Other textile industries:								
18	Automobile accessories, fabric	17	113	55	729,530	362	465	2,284,019
19	Awnings, tents and sails	139	261	96	1,108,936	687	678	2,552,375
20	Bags, cotton and jute	36	133	61	812,227	343	577	1,781,305
21	Cordage, rope and twine	17	134	69	995,695	690	298	2,740,241
22	Embroidery, pleating, hemstitching, etc.	168	238	87	1,194,545	527	1,027	2,811,105
23	Oilcloth, linoleum and other coated fabrics ...	17	449	180	2,996,409	1,512	166	5,049,121
24	Miscellaneous textiles, n.e.s.	187	514	385	3,562,117	999	2,086	5,994,849
25	Totals, textiles	977	8,397	4,247	50,921,133	35,815	20,685	136,883,911
6a. Knitting mills:								
26	Hosiery	127	600	492	3,812,306	3,487	4,687	17,565,993
27	Knitted goods	169	809	705	5,380,659	2,897	7,981	20,449,250
28	Totals, knitting mills	296	1,409	1,197	9,192,965	6,384	12,668	38,015,243
6b. Clothing:								
Men's, women's and children's clothing:								
29	Clothing, children's factory	180	421	275	2,760,980	1,188	5,181	10,579,623
30	Clothing, men's factory	570	2,536	1,521	16,142,829	8,195	19,193	52,666,466
31	Clothing, women's, factory	750	2,001	1,460	14,543,530	5,538	17,926	46,911,850
32	Clothing contractors, men's	153	273	56	1,003,523	1,252	3,082	7,294,380
33	Clothing contractors, women's	116	150	33	550,278	265	2,091	3,520,514
Miscellaneous clothing:								
34	Corsets	42	239	408	2,252,436	443	2,689	5,079,599
35	Fur dressing and dyeing	18	92	24	538,703	876	170	2,756,638
36	Fur goods	558	1,015	257	4,470,610	2,369	1,378	9,652,509
37	Gloves and mittens, fabric	11	35	31	232,296	103	512	845,053
38	Hats and caps	165	441	220	2,709,887	1,411	2,489	7,826,430
39	Oiled and waterproofed clothing	13	42	19	286,982	133	241	808,279
40	Clothing n.e.s.	72	157	106	952,733	291	858	2,050,351
41	Totals, clothing	2,648	7,402	4,410	46,444,787	22,064	55,810	149,991,692
7. Wood products:								
42	Furniture	1,822	4,161	1,280	19,933,258	23,197	1,985	64,309,128
Saw and planing mills:								
43	Flooring, hardwood	29	162	54	994,963	1,496	26	3,618,090
44	Sash, door and planing mills	1,837	3,367	644	12,595,812	16,047	181	39,589,866
45	Sawmills	7,333	11,425	853	26,812,447	45,870	438	125,744,372
46	Veneers and plywoods	61	645	208	4,267,906	7,985	1,458	27,071,079
Other wood industries:								
47	Beekeepers' and poultrymen's supplies	7	12	3	28,922	47	2	88,221
48	Boxes and baskets, wood	168	371	83	1,502,791	2,852	389	6,976,800
49	Cooperage	76	129	29	422,648	468	—	1,145,695
50	Excelsior	13	23	7	74,984	90	19	219,434
51	Lasts, trees and shoe findings	16	60	31	296,876	313	163	1,021,204
52	Morticians' goods	58	136	56	657,708	965	176	2,494,565
53	Woodenware	30	61	18	248,396	388	125	873,264
54	Wood turning	67	145	35	627,042	861	108	1,909,634
55	Miscellaneous wood products, n.e.s.	287	734	230	3,397,212	2,697	365	7,517,580
56	Totals, wood products	11,804	21,431	3,531	71,860,965	103,276	5,435	282,578,932

1. Includes about 25,000 "Working Proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1955 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.	\$	\$	\$	\$	\$	
19,829	42,839,930	682,234	59,510,235	66,128,612	125,552,623	1
1,711	3,125,734	71,461	5,039,888	4,450,158	9,628,042	2
3,821	11,364,476	1,047,562	27,695,719	19,244,679	48,398,161	3
136	426,779	26,259	600,456	685,446	1,366,333	4
600	1,438,651	85,293	3,276,362	2,190,545	5,562,101	5
4,478	9,774,706	203,567	12,838,959	14,515,900	27,535,830	6
30,575	68,970,276	2,116,376	108,961,619	107,215,340	218,043,090	7
939	2,274,593	99,120	5,098,589	4,974,189	9,861,986	8
21,537	56,411,050	4,083,766	149,561,429	77,291,220	229,684,041	9
622	1,800,369	172,302	5,042,036	3,286,848	8,499,301	10
1,527	4,253,066	281,665	7,728,179	7,192,756	15,587,015	11
6,633	16,522,702	1,282,811	32,372,593	24,535,275	58,773,448	12
2,937	7,080,950	515,302	19,639,928	11,168,868	31,529,947	13
2,227	6,873,072	458,247	17,985,902	14,479,223	33,020,133	14
15,408	46,927,250	4,428,219	69,895,625	86,031,246	159,233,708	15
2,062	6,058,936	754,879	4,121,238	9,496,406	14,281,378	16
2,060	4,990,582	235,978	7,794,972	9,510,326	17,406,326	17
995	3,013,549	99,540	8,615,381	5,736,933	14,237,169	18
1,722	3,661,311	136,080	7,256,353	6,533,155	13,998,095	19
1,114	2,593,532	109,864	21,624,421	4,097,704	25,912,629	20
1,191	3,735,936	204,560	8,089,835	7,269,748	15,571,556	21
1,879	4,005,650	77,706	3,100,200	6,410,287	9,561,215	22
2,307	8,045,530	535,640	15,607,991	15,421,633	31,172,275	23
3,984	9,556,966	341,502	25,357,904	21,097,016	46,185,223	24
69,144	187,805,044	13,817,181	408,890,576	314,533,385	734,515,445	25
9,266	21,378,299	793,146	23,497,527	33,687,991	57,992,648	26
12,392	25,829,909	1,078,727	52,207,987	43,777,988	97,194,115	27
21,658	47,208,208	1,871,873	75,705,514	77,465,979	155,186,763	28
7,065	13,340,603	205,916	27,747,843	21,819,526	49,848,404	29
31,445	68,809,295	954,445	137,857,666	113,367,324	250,462,315	30
26,925	61,455,380	711,175	121,858,177	103,911,069	226,347,078	31
4,663	8,297,903	160,965	1,040,597	10,391,753	11,597,592	32
2,539	4,070,792	71,935	247,383	5,459,682	5,777,900	33
3,779	7,332,035	118,428	9,865,903	14,963,484	25,185,878	34
1,162	3,295,341	109,513	1,121,805	5,286,772	6,498,292	35
5,019	14,123,119	318,717	38,389,138	22,214,802	60,349,381	36
681	1,077,349	18,829	2,046,517	2,145,183	4,231,153	37
4,561	10,536,317	261,538	11,659,269	16,778,289	28,695,413	38
435	1,095,261	17,032	1,972,179	1,937,230	3,915,807	39
1,412	3,003,084	52,875	6,076,461	5,367,559	11,452,689	40
89,686	196,436,479	3,001,368	359,882,938	323,644,673	684,361,902	41
30,623	84,242,386	3,068,834	125,400,624	132,521,922	261,551,101	42
1,738	4,613,053	230,086	10,639,454	7,363,509	18,318,832	43
20,239	52,185,678	3,762,094	148,364,225	86,268,605	238,281,804	44
58,586	152,556,819	8,672,598	338,870,204	296,940,188	644,482,990	45
10,296	31,338,985	1,376,491	54,709,222	60,118,322	116,204,035	46
64	117,143	11,161	199,496	200,223	395,496	47
3,695	8,479,591	416,762	12,249,849	13,569,579	26,317,798	48
626	1,568,343	108,409	3,261,008	2,094,861	5,477,484	49
139	294,418	30,283	222,153	428,843	693,896	50
567	1,318,080	31,152	1,151,481	2,080,819	3,287,704	51
1,333	3,152,273	149,804	3,846,808	4,975,406	8,934,480	52
592	1,121,660	75,839	1,316,206	1,552,697	3,064,960	53
1,149	2,536,676	129,316	3,141,877	4,037,145	7,276,809	54
4,026	10,914,792	855,515	20,442,886	19,705,866	41,056,165	55
133,673	354,439,897	18,918,344	723,815,493	631,857,981	1,375,343,554	56

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1953 — continued

No.	Industry, province and group	Estab- lish- ments	Supervisory and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
		No.	No.	No.	\$	No.	No.	\$
8. Paper products:								
1	Boxes and bags, paper.....	208	1,743	875	10,810,471	7,589	4,406	33,179,592
2	Pulp and paper	125	7,559	2,374	55,980,812	51,498	774	209,317,307
3	Roofing paper	28	685	318	3,696,562	1,479	66	4,937,469
4	Miscellaneous paper goods	219	1,322	887	9,060,108	5,292	2,893	22,794,728
5	Totals, paper products.....	580	11,309	4,454	79,547,953	65,858	8,129	270,229,096
9. Printing, publishing and allied industries:								
Commercial printing:								
6	Printing and bookbinding.....	1,813	4,323	2,016	23,363,753	13,144	5,037	53,088,784
7	Trade composition	51	181	50	957,734	677	25	2,692,769
Engraving, stereotyping and allied industries:								
8	Engraving, stereotyping and electrotyping	136	623	335	4,751,800	2,854	524	13,941,075
9	Lithographing	88	603	368	4,545,973	2,434	976	11,020,806
Printing and publishing:								
10	Printing and publishing	789	8,658	4,951	48,471,807	14,204	2,042	59,372,279
11	Publishing (only) of periodicals	1,617	2,668	2,909	12,373,078	—	—	—
12	Totals, printing, publishing and allied industries	4,494	17,056	10,629	94,464,145	33,313	8,604	140,115,713
10. Iron and steel products:								
13	Agricultural implements	77	2,225	576	11,244,548	8,858	94	30,684,492
14	Boilers, tanks and platework	101	2,025	556	10,339,525	5,709	88	20,879,393
15	Bridge and structural steel work	49	2,325	534	13,561,580	8,984	20	32,995,564
16	Castings, iron	201	1,814	690	10,727,761	12,502	260	44,546,237
17	Hardware, tools and cutlery	379	1,915	979	12,357,099	8,704	1,517	32,224,900
18	Heating and cooking apparatus.....	123	1,553	693	8,508,830	6,697	205	21,289,900
19	Machinery, household, office and store.....	77	1,341	628	8,227,770	5,506	858	19,731,691
20	Machinery, industrial	321	5,435	2,104	31,060,027	15,686	613	55,469,678
21	Machine shops	674	1,441	262	6,382,093	5,818	93	15,008,865
22	Machine tools	10	243	82	1,533,858	810	2	3,158,068
23	Primary iron and steel	50	3,703	979	23,108,918	27,636	189	113,770,485
24	Sheet metal products	361	2,999	1,115	17,756,589	13,343	1,623	48,906,228
25	Wire and wire goods	125	1,417	601	8,666,174	6,541	702	25,635,300
26	Miscellaneous iron and steel products	347	2,037	553	11,001,652	8,131	486	28,830,355
27	Totals, iron and steel products	2,895	30,473	10,352	174,476,424	134,125	6,750	493,180,655
11. Transportation equipment:								
28	Aircraft and parts	52	9,092	2,622	52,198,947	20,746	576	78,070,062
29	Bicycles and parts	6	113	49	672,737	418	60	1,468,277
30	Boat building	204	303	58	945,991	1,285	20	3,231,328
31	Motor vehicles	15	5,736	1,557	36,296,523	25,790	346	98,365,235
32	Motor vehicle parts	188	2,966	995	18,662,232	13,662	2,373	55,919,007
33	Railway rolling stock.....	32	2,474	337	12,411,551	22,554	35	73,846,072
34	Shipbuilding.....	70	1,966	511	9,868,409	14,248	104	46,299,249
35	Miscellaneous transportation	27	87	35	531,298	540	131	1,648,078
36	Totals, transportation equipment	594	22,737	6,164	131,587,688	99,243	3,645	358,847,308
12. Non-ferrous metal products:								
37	Aluminum products	93	1,660	843	10,315,674	4,029	300	13,709,731
38	Brass and copper products	157	1,366	580	8,604,260	6,411	507	23,669,781
39	Jewellery and silverware	221	633	440	3,879,611	2,592	1,513	9,800,852
40	Non-ferrous metal smelting and refining	24	3,954	647	23,771,907	23,956	49	94,417,471
41	White metal alloys	60	492	181	3,093,769	1,922	507	7,402,383
42	Miscellaneous non-ferrous metal products	26	170	121	1,237,564	300	138	1,206,876
43	Totals, non-ferrous metal products	581	8,275	2,812	50,902,785	39,210	3,014	150,207,094
13. Electrical apparatus and supplies:								
44	Batteries	36	472	214	2,766,899	1,232	319	5,105,347
45	Refrigerators, vacuum cleaners and appliances....	79	2,298	754	9,941,634	5,159	1,252	20,446,244
46	Machinery, heavy, electrical.....	70	5,946	2,259	33,548,235	11,176	2,835	48,356,668
47	Telecommunication equipment	126	4,621	1,732	27,526,908	6,317	6,366	34,214,382
48	Miscellaneous electrical apparatus and supplies....	157	4,594	2,054	27,671,784	11,526	5,118	54,453,373
49	Totals, electrical apparatus and supplies	468	17,931	7,013	101,455,460	35,410	15,890	162,576,014

1. Includes about 25,000 "Working Proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1953 - continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.	\$	\$	\$	\$	\$	No.
14,613	43,990,063	1,478,371	129,064,315	83,249,425	213,459,941	1
62,205	265,298,119	91,040,773	546,079,192	689,818,173	1,326,938,138	2
2,548	8,634,031	731,331	22,585,651	18,965,855	41,754,735	3
10,384	31,854,836	1,524,808	95,278,910	75,228,134	171,945,691	4
89,750	349,777,049	94,775,283	793,008,069	867,261,587	1,754,098,505	5
24,520	76,452,537	1,886,878	71,517,754	127,560,535	200,961,881	6
933	3,650,503	52,795	406,075	5,138,494	5,595,748	7
4,336	18,692,875	374,044	6,922,932	27,931,556	35,216,573	8
4,381	15,566,779	294,047	18,966,173	26,297,321	45,904,661	9
29,855	107,844,086	2,388,855	75,020,033	197,778,684	275,159,495	10
5,577	12,373,078	—	26,328,776	30,961,652	57,290,428	11
69,602	234,579,858	4,996,619	199,161,743	415,668,242	619,828,786	12
11,753	41,929,040	1,749,126	59,283,305	54,464,347	113,923,309	13
8,378	31,218,918	1,203,833	41,388,589	51,813,520	93,486,695	14
11,863	46,557,144	1,527,085	79,731,908	76,453,347	157,712,340	15
15,266	55,273,998	3,388,843	84,452,041	97,595,101	182,906,534	16
13,115	44,581,498	2,045,341	49,174,071	83,468,849	133,572,735	17
9,148	29,798,730	1,354,738	56,762,067	55,428,354	112,987,132	18
8,333	28,009,461	931,481	46,709,159	58,046,043	106,261,768	19
23,838	86,529,705	2,893,912	102,665,897	146,908,572	252,944,378	20
6,814	21,390,958	975,323	15,830,901	31,721,004	48,498,932	21
1,137	4,691,926	113,498	3,600,490	5,666,329	9,218,288	22
136,879	403,879,136	31,182,580	212,288,266	291,793,126	528,318,453	23
19,080	66,662,817	2,559,431	138,211,284	121,016,972	260,167,480	24
9,261	34,301,474	1,770,784	68,537,562	59,514,629	130,457,880	25
11,207	39,832,007	3,047,795	46,611,443	65,355,760	114,261,994	26
181,700	667,657,079	54,743,770	1,005,246,993	1,199,245,993	2,242,717,918	27
33,036	130,269,009	4,683,562	140,831,164	208,800,111	354,314,837	28
640	2,141,014	107,543	1,529,113	4,146,004	5,875,752	29
1,666	4,177,319	153,735	4,397,785	5,544,205	10,267,548	30
33,429	134,661,758	4,499,463	631,181,084	269,601,907	907,410,923	31
19,996	74,581,239	3,981,718	149,004,157	130,778,716	285,070,612	32
25,400	86,257,623	3,940,088	139,475,062	102,324,180	245,739,330	33
16,829	56,167,658	1,621,654	47,335,389	84,879,899	133,836,942	34
793	2,179,376	88,513	4,015,082	3,672,985	7,894,091	35
131,789	490,434,996	19,076,276	1,117,768,836	809,748,007	1,950,410,035	36
6,832	24,025,405	1,702,109	45,961,129	31,733,656	79,839,602	37
8,864	32,274,041	2,189,532	150,395,034	64,086,451	216,500,000	38
5,178	13,680,463	391,782	25,711,100	22,245,768	48,016,269	39
28,606	118,189,378	57,148,510	710,762,890	443,805,081	1,211,716,481	40
3,102	10,496,152	852,309	38,099,192	24,384,056	62,505,196	41
729	2,444,440	115,447	3,862,843	4,489,036	8,403,307	42
53,311	201,109,879	62,399,689	974,792,188	590,744,048	1,626,980,855	43
2,237	7,872,246	484,022	23,718,135	15,722,359	40,055,423	44
9,463	30,387,878	1,434,145	64,513,978	61,797,166	135,669,776	45
22,216	81,904,903	2,123,627	75,020,917	120,703,089	198,408,390	46
19,036	61,741,290	1,127,488	155,719,565	112,579,145	263,420,279	47
23,292	82,125,157	2,706,943	158,683,158	159,116,892	325,061,144	48
76,244	264,031,474	7,876,225	477,635,753	469,918,651	962,615,012	49

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1955 — Concluded

No.	Industry, province and group	Estab- lish- ments	Supervisory and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
		No.	No.	No.	\$	No.	No.	\$
14. Non-metallic mineral products:								
1	Abrasives, artificial	17	418	179	2,787,144	2,004	94	7,779,904
2	Asbestos products	16	327	131	1,920,562	1,416	201	5,302,013
3	Cement, hydraulic	12	258	46	1,404,885	2,515	3	9,695,320
4	Clay products from domestic clay	118	364	92	1,935,613	3,743	71	11,630,408
5	Clay products from imported clay	37	231	89	1,346,767	1,325	460	5,466,890
6	Concrete products	52	1,614	307	7,388,440	7,819	40	23,341,968
7	Glass and glass products	108	878	486	5,390,689	5,496	1,010	20,900,715
8	Gypsum products	12	458	113	2,355,124	1,398	8	4,475,780
9	Lime	39	96	15	453,669	1,005	2	3,395,472
10	Salt	13	178	63	986,324	515	53	1,853,116
11	Sand-lime brick	4	14	2	77,943	146	—	493,372
12	Stone products	153	440	132	2,230,693	1,736	8	5,214,949
13	Miscellaneous non-metallic mineral products	50	194	80	1,225,331	600	76	1,953,640
14	Totals, non-metallic mineral products	1,171	5,470	1,735	29,503,184	29,718	2,026	101,503,547
15. Products of petroleum and coal:								
15	Coke and gas products	25	662	228	3,568,128	2,846	—	9,613,255
16	Petroleum products	61	4,010	1,261	24,088,434	8,011	58	33,803,953
17	Miscellaneous products of petroleum and coal ..	20	110	58	556,802	237	5	805,987
18	Totals, products of petroleum and coal	106	4,782	1,547	28,213,364	11,094	63	44,223,195
16. Chemicals and allied products:								
19	Acids, alkalies and salts	45	2,112	586	12,801,557	5,847	52	22,746,294
20	Fertilizers	39	637	155	3,642,456	2,135	8	7,899,924
21	Medicinal and pharmaceutical preparations	210	1,603	1,498	12,410,327	2,319	2,209	11,526,723
22	Paints, varnishes and lacquers	122	1,630	911	10,038,668	3,118	335	10,729,793
23	Primary plastics	23	841	303	5,204,969	1,804	88	7,127,538
24	Soaps, washing compounds and cleaning pre- parations	141	1,107	530	6,506,265	1,801	389	7,541,104
25	Toilet preparations	98	349	443	2,969,756	480	894	2,920,300
26	Vegetable oils	12	169	67	1,066,019	443	3	1,437,670
Other chemical industries:								
27	Adhesives	29	139	82	863,958	328	27	1,070,639
28	Coal tar distillation	11	136	30	807,533	356	6	1,273,024
29	Gases, compressed	52	429	259	2,130,862	699	—	2,628,897
30	Inks	35	198	106	1,437,379	641	51	1,979,178
31	Polishes and dressings	48	176	174	1,484,121	266	189	1,079,832
32	Miscellaneous chemical products, n.e.s.	261	2,823	1,156	17,078,074	7,125	1,594	26,865,083
33	Totals, chemicals and allied products	1,126	12,349	6,300	78,441,944	27,362	5,845	106,825,999
17. Miscellaneous industries:								
34	Brooms, brushes and mops	101	298	184	1,734,844	1,107	524	3,368,883
35	Clocks, watches and watch cases	35	146	106	1,083,691	392	463	2,417,954
36	Fountain pens and pencils	17	126	169	1,124,114	275	470	1,589,809
37	Musical instruments	28	109	84	644,653	831	189	2,846,508
38	Plastics products	170	601	317	3,508,932	1,897	1,564	7,824,188
39	Scientific and professional equipment	151	1,482	732	9,217,995	3,106	1,194	13,739,068
40	Sporting goods	92	238	120	1,275,548	927	543	3,225,288
41	Toys and games	56	120	73	821,534	459	753	2,498,542
42	Typewriter supplies	10	66	50	520,400	172	107	696,059
Other miscellaneous industries:								
43	Artificial flowers and feathers	44	54	26	272,682	131	257	631,467
44	Buttons, buckles and fasteners	45	195	125	1,361,270	547	702	2,740,996
45	Candles	15	32	21	183,433	106	65	383,525
46	Hair goods	13	17	8	99,890	65	12	197,886
47	Ice, artificial	66	106	44	427,383	397	3	1,097,989
48	Lamps, electric and lamp shades	65	132	95	798,464	568	488	1,990,958
49	Models and patterns, excluding paper	70	96	8	448,287	281	2	1,025,611
50	Pipes, lighters and smokers' supplies	13	34	25	199,196	56	60	273,297
51	Signs, electric, neon and other	305	674	168	3,139,497	2,106	154	6,637,507
52	Stamps and stencils, rubber and metal	65	152	79	886,778	509	157	1,718,571
53	Statuary, art goods, regalia and novelties	117	164	42	621,185	393	283	1,361,656
54	Umbrellas	8	22	9	143,250	29	107	204,522
55	Miscellaneous industries	38	169	135	1,336,768	718	689	2,919,547
56	Totals, miscellaneous industries	1,524	5,033	2,620	29,849,794	15,072	8,786	59,389,836
57	Grand totals, all industries	38,182	206,881	80,588	1,147,142,086	796,721	214,271	2,995,267,448

1. Includes about 25,000 "Working Proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1955 — Concluded

Total employees.	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.	\$	\$	\$	\$	\$	
2,695	10,567,048	4,422,194	15,293,264	21,933,836	42,519,695	1
2,075	7,222,575	729,134	12,889,656	16,393,874	30,127,022	2
2,822	11,100,205	12,970,470	11,505,305	44,336,891	68,812,666	3
4,270	13,566,021	5,287,490	886,736	30,178,957	35,259,770	4
2,105	6,813,657	916,851	4,911,302	12,634,247	18,394,390	5
9,780	30,730,408	4,047,436	63,323,732	68,502,883	133,826,687	6
7,870	26,291,404	4,173,712	31,000,677	45,139,201	80,830,622	7
1,977	6,830,904	1,438,300	13,893,069	16,388,745	31,469,039	8
1,118	3,849,141	3,474,710	1,308,751	11,793,430	16,576,891	9
809	2,839,440	1,019,017	2,280,268	8,569,792	11,869,077	10
162	571,315	87,972	443,848	1,057,528	1,630,677	11
2,316	7,445,642	892,343	8,610,581	15,684,506	24,985,809	12
950	3,178,971	610,089	8,142,112	9,042,987	17,816,456	13
38,949	131,006,731	40,069,718	174,489,301	301,656,877	514,118,801	14
3,736	13,181,383	6,206,043	57,844,131	39,841,008	103,891,182	15
13,340	57,892,387	32,593,790	642,872,134	373,368,531	1,048,834,455	16
410	1,362,789	192,440	3,668,730	4,140,450	8,098,862	17
17,486	72,436,559	38,992,273	704,384,995	417,349,989	1,160,824,499	18
8,597	35,547,851	15,033,501	61,686,514	95,023,999	172,255,750	19
2,935	11,542,380	2,641,870	41,396,928	45,895,045	92,498,839	20
7,629	23,937,050	871,026	33,819,677	72,703,379	108,121,734	21
5,994	20,768,461	874,952	59,785,089	58,245,997	117,184,189	22
3,036	12,332,507	1,490,621	40,264,982	33,760,502	75,052,166	23
3,627	14,047,369	1,283,680	44,918,815	54,284,965	100,105,140	24
2,166	5,890,056	143,007	13,842,997	23,029,087	36,849,128	25
682	2,503,689	693,961	42,018,137	7,017,207	50,322,215	26
576	1,934,597	369,578	5,030,858	5,368,263	10,908,938	27
528	2,080,557	611,810	7,010,908	4,802,463	11,892,812	28
1,387	4,759,759	591,850	2,942,918	12,985,965	16,501,924	29
996	3,416,557	126,112	5,903,527	8,739,452	14,748,162	30
805	2,563,953	99,573	8,746,585	10,412,904	19,605,544	31
12,698	43,943,157	8,254,029	112,736,255	96,659,281	218,032,459	32
51,856	185,267,943	33,085,570	480,104,190	528,928,509	1,044,079,000	33
2,113	5,103,727	169,898	7,823,119	9,150,960	17,299,701	34
1,107	3,501,645	52,343	7,027,734	6,945,639	14,299,124	35
1,040	2,713,923	78,496	5,164,258	6,053,119	11,458,847	36
1,213	3,491,161	162,637	3,134,123	6,876,363	10,182,867	37
4,379	11,333,120	564,350	24,247,328	24,459,307	48,732,590	38
6,514	22,957,061	569,441	22,789,219	40,149,398	63,223,468	39
1,628	4,500,836	174,637	4,975,649	7,841,030	13,032,152	40
1,405	3,320,076	139,954	6,231,378	5,762,524	12,311,395	41
395	1,216,459	35,601	2,510,102	2,582,566	5,120,176	42
468	904,149	28,883	993,903	1,508,317	2,530,755	43
1,569	4,102,266	124,701	5,096,486	6,583,795	12,096,620	44
224	566,958	37,228	1,137,845	1,470,731	2,625,924	45
102	297,776	10,458	873,382	513,909	1,384,282	46
550	1,525,372	524,673	183,129	3,194,479	3,908,327	47
1,283	2,789,422	109,991	4,817,295	4,980,403	9,850,158	48
387	1,473,898	43,729	475,261	2,322,837	2,842,375	49
175	472,493	19,265	1,165,152	1,214,611	2,443,097	50
3,102	9,777,004	537,754	7,819,492	16,930,088	25,276,087	51
897	2,605,349	73,032	1,596,363	4,008,974	5,642,901	52
882	1,982,841	72,468	1,633,705	2,988,597	4,712,793	53
167	347,779	7,086	713,814	625,735	1,314,797	54
1,711	4,256,315	129,155	4,039,616	8,713,267	12,857,430	55
31,511	89,239,630	3,665,780	114,448,353	164,876,649	283,147,866	56
1,298,461	4,142,409,534	457,789,470	10,338,202,165	8,753,450,496	19,513,933,811	57

Table 12 gives the amount and value of each of the principal commodities produced or shipped by the manufacturing industries of Canada. Commodities produced in small quantities

are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix II of this report.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1955

Note: Since 1952 the basis of collection is "Value of Factory shipments" instead of "Gross Value of Products". However, the commodities marked* are still on a production basis.

	Unit of measure	Quantity	Value
			\$
Food:			
Biscuits, all kinds	lb.	237, 594, 676	66, 593, 369
Bread	"	1, 530, 048, 000	175, 096, 743
Butter, factory made	"	320, 266, 563	186, 497, 693
Cheese, factory made	"	147, 344, 343	47, 283, 926
Confectionery, all kinds	"	—	74, 110, 101
Cream, sold in dairy factories	lb. b.f.	28, 335, 016	31, 302, 794
Feed, chopped grain	ton	549, 829	30, 678, 969
Feeds, stock and poultry, prepared	"	2, 136, 161	168, 995, 517
Fish, canned and otherwise prepared	lb.	225, 731, 848	62, 701, 400
Flour, wheat	bbl.	20, 267, 761	166, 010, 092
Fruits and vegetables, canned	lb.	639, 568, 193	79, 247, 333
Fruits and vegetables, frozen	"	—	10, 730, 463
Ice cream, factory made	gal.	31, 311, 644	50, 981, 337
Jams, jellies and marmalades	lb.	108, 925, 606	19, 343, 220
Lard	"	105, 514, 021	14, 659, 175
Meats, canned, including poultry, pastes, etc.	"	86, 517, 771	32, 831, 870
Meats, cooked, including sausage, wieners, etc.	"	259, 636, 263	96, 166, 752
Meats, cured and smoked	"	251, 669, 910	119, 790, 229
Meats, sold fresh and frozen, including poultry	"	1, 392, 369, 010	452, 775, 374
Milk, sold in dairy factories	gal.	177, 370, 835	128, 004, 175
Milk, evaporated and condensed	lb.	310, 985, 600	36, 797, 953
Pickles, relishes and catsup	"	—	19, 698, 062
Pies, cakes and pastry	"	—	77, 397, 196
Powders, edible (custard, jelly, milk, etc.)	"	—	36, 975, 275
Shortening	lb.	153, 902, 880	35, 031, 438
Soups, canned (except infants*)	"	224, 000, 394	36, 082, 930
Sugar, granulated (cane and beet)	"	1, 293, 932, 061	98, 644, 306
Tea and coffee, roasted, blended and packed	"	117, 006, 439	119, 948, 089
Beverages¹:			
Aerated waters	gal.	118, 441, 866	103, 651, 706
Beer, ale, stout and porter (sales)	"	211, 101, 903	331, 117, 100
Beverage spirits sold (net sales)	proof gal.	11, 847, 649	91, 211, 509
Wine, sold	imp. gal.	4, 687, 848	12, 012, 356
Tobacco and tobacco products¹:			
Cigarettes	M	24, 864, 332	332, 011, 517
Cigars	"	257, 233	19, 360, 206
Tobacco, chewing, smoking and snuff	lb.	23, 455, 973	58, 414, 898
Tobacco, raw leaf, processed	"	151, 363, 083	88, 551, 067
Textile products except clothing:			
Bags, cotton and jute	No.	118, 399, 411	22, 465, 462
Blankets	"	—	13, 698, 117
Carpets, mats and rugs	"	—	15, 125, 899
Cotton fabrics	"	—	125, 466, 179
Synthetic woven fabrics, all types	yd.	97, 286, 197	64, 267, 338
Tire fabrics	lb.	32, 403, 849	26, 374, 151
Twine and cordage	"	—	13, 931, 856
Woven fabrics, wool or containing wool	sq. yd.	33, 085, 201	49, 199, 619
Yarns, cotton, rayon, wool, etc. (for sale)	"	—	136, 318, 344
Clothing:			
Coats and overcoats, cloth, men's and youths'	No.	724, 471	20, 665, 296
Coats, wool, women's and misses'	"	1, 473, 330	34, 086, 240
Coats, fur, women's (factory made)	"	211, 073	48, 919, 139
Short coats (including windbreakers, parkas, leather coats, etc.)	doz.	379, 949	28, 082, 631
Dresses, women's and misses'	No.	12, 697, 705	76, 714, 513
Footwear, leather	pr.	32, 353, 422	116, 397, 192
Footwear, rubber	"	13, 005, 906	33, 162, 482
Gloves and mittens all kinds	doz. pr.	1, 896, 440	14, 778, 033
Hats and caps, men's	doz.	410, 219	8, 413, 819
Hats, women's and children's	"	463, 040	13, 879, 566
Hosiery, all kinds	doz. pr.	9, 223, 527	58, 185, 954
Shirts, fine, work and sport	doz.	2, 468, 825	54, 131, 733
Sport suits, slacks and other sport clothing n.e.s.	"	—	16, 562, 557
Suits, men's and youths', fine, woollen	No.	1, 256, 787	48, 443, 432
Underwear	"	—	53, 662, 247
Wood products:			
Boxes, wooden	"	—	13, 462, 095
Lumber planed	M ft. b.m.	4, 385, 660	335, 571, 063
Lumber sawn	"	5, 152, 228	330, 246, 866
Pulp, wood, made for sale	s. ton	2, 013, 303	244, 017, 750
Sash, doors and other mill work	"	—	75, 510, 392
Paper products:			
Paper boards, all types	ton	1, 027, 441	130, 365, 751
Bags, paper	"	—	48, 588, 432
Boxes, paper	"	—	161, 008, 241

1. Includes excise taxes on prime cost of "Spirits" and "Tobacco Products".

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1955 — Concluded

	Unit of measure	Quantity	Value
			\$
Paper products — concluded:			
Paper, book and writing	ton	301,352	74,904,349
Paper, newsprint	"	6,196,319	688,338,369
Paper, wrapping	"	263,915	53,998,859
Printing, Publishing and Allied Industries:			
Books and catalogues, printed and bound	—	—	35,597,524
Other advertising matter printed	—	—	51,249,039
Periodicals printed for publishers	—	—	23,532,252
Periodicals printed by publishers:			
Subscriptions and sales	—	—	62,224,254
Gross revenue from advertising	—	—	174,704,296
Sheet forms commercial, legal, etc. printed	—	—	50,150,941
Iron and Steel Products:			
Bars, iron and steel, hot rolled (sold)	ton	621,819	79,841,771
Boilers, heating and power	—	—	18,077,991
Castings, grey iron, made for sale	—	—	38,732,201
Farm implements and parts	—	—	109,701,000
Forgings, steel and other	—	—	28,891,941
Hardware, builders' and other	—	—	41,109,000
Machinery, industrial, household, office and store, and parts	—	—	549,505,000
Pig iron (sold)	ton	609,978	30,539,000
Pipes, tubing and fittings, iron and steel	—	—	121,795,000
Rolled iron and steel forms, semi-finished, sold	net ton	298,646	23,114,634
Sheets, bars and other cold-rolled products, sold	"	801,831	131,932,043
Steel ingots and castings, sold	"	201,114	43,682,247
Steel shapes erected, buildings, bridges, etc.*	"	360,741	109,992,543
Steel shapes, structural, made in primary mills	"	240,105	25,650,273
Stoves, coal, wood, electric and gas	—	—	49,649,424
Tools and implements, hand, all kinds and parts	—	—	30,817,000
Wire, wire rope and cable, steel	—	—	44,837,421
Transportation equipment:			
Aircraft completed in year*	—	—	108,403,292
Automobiles, commercial	No.	78,012	136,327,462
Automobiles, passenger	"	375,028	610,683,424
Automobile parts and accessories, including tires	—	—	523,162,000
Buses	No.	557	7,128,252
Cars, railway, complete, freight and passenger*	"	3,736	27,821,586
Locomotives, diesel-electric, new*	"	362	59,692,536
Ships and ship repairs*	—	—	153,474,873
Non-ferrous metal products:			
Jewelry	—	—	19,466,000
Kitchenware, aluminum	—	—	6,831,000
Silverware	—	—	10,559,863
Smelter and refinery products	—	—	1,211,716,491
Electrical Apparatus and Supplies:			
Batteries, electric, storage	—	—	25,173,394
Radio receiving sets, complete	No.	621,957	19,176,618
Refrigerators, household, mechanical	"	271,532	49,548,437
Television sets	"	806,253	130,497,108
Wires and cables, electric	—	—	150,732,153
Non-metallic mineral products:			
Abrasives, artificial	ton	252,109	26,358,212
Coke, gas-house*	"	4,004,624	58,241,355
Concrete, ready-mixed	—	—	58,918,365
Gas, manufactured and natural, sold*	M cu.ft.	136,737,898	75,440,255
Glass, pressed and blown (bottles, sealers, ovenware, etc.)	—	—	44,868,777
Chemicals and allied products:			
Calcium and sodium compounds	—	—	48,103,419
Enamels, lacquers and varnishes	—	—	52,056,196
Fertilizers, mixed	ton	685,700	33,112,000
Medicinal and pharmaceutical preparations	—	—	100,878,000
Paints, mixed, ready for use	Imp. gal.	11,664,161	42,209,118
Synthetic resins	—	—	49,430,000
Soaps and synthetic detergents	lb.	294,896,000	70,633,000
Toilet preparations	—	—	47,167,000
Miscellaneous:			
Bags, hand and hand luggage	—	—	14,962,900
Brooms and household brushes	doz.	891,118	5,091,675
Cans, metal, for food	—	—	63,013,733
Furniture, wood and metal including beds and couches	—	—	193,236,408
Gasoline*	Imp. gal.	2,761,317,730	506,621,628
Leather, shoe	—	—	34,546,034
Mattresses	—	—	20,031,757
Mops, floor	—	—	2,809,962
Oil, fuel	Imp. gal.	3,215,904,890	396,443,216
Pianos, organs and parts	—	—	4,709,467
Scientific and professional equipment	—	—	49,012,845
Sporting goods	—	—	14,852,798
Springs, bed and other furniture	—	—	11,927,423
Toys and games	—	—	20,168,422

Subsection 2. Manufactures Classified on the Chief Component Material Classification Basis

For the most purposes a classification of manufacturing industries based upon "chief component materials" has, in the past, proved most useful in Canadian industrial classification. For this reason the Bureau's classification based upon this concept has been the one most widely used for general purposes such as the Decennial Census, Vital Statistics, foreign Trade, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of a group "Textile Products", composed partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, i.e., when its final products are chiefly such items as pig iron, lumber and processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods

for final consumption, the combination of ingredients in such output becomes more and more complex. The modern automotive, aircraft, shipbuilding, and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the completion of the final product.

In recent years Canada's industrial system has undergone considerable development. Consequently in establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established.

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-1955

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	No.	\$	\$	\$	\$
1917						
Vegetable products	4,151	62,791	45,916,557	367,214,061	183,782,501	550,996,562
Animal products	5,486	46,994	35,753,133	320,302,039	124,103,990	444,406,029
Textiles and textile products	1,033	76,315	47,386,592	131,071,158	109,227,157	240,298,315
Wood and paper products	7,258	153,701	115,198,434	150,122,143	249,201,596	399,323,739
Iron and its products	1,495	161,745	161,875,426	378,193,116	371,792,489	749,985,605
Non-ferrous metal products	296	18,220	15,898,890	46,445,469	41,039,351	87,484,820
Non-metallic mineral products	1,075	20,781	18,224,724	36,994,392	58,092,396	95,086,788
Chemicals and allied products	539	56,153	51,505,484	99,068,092	131,381,995	230,450,087
Miscellaneous industries	512	9,823	6,042,604	10,268,341	12,510,505	22,778,846
Totals, 1917	21,845	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1920						
Vegetable products	4,549	74,241	77,750,189	536,828,044	239,328,371	776,156,415
Animal products	4,823	48,687	54,291,606	400,496,354	152,995,130	553,491,484
Textiles and textile products	1,304	87,730	84,433,609	256,233,300	173,741,035	429,974,335
Wood and paper products	7,881	144,391	172,368,578	309,813,724	417,256,115	727,069,839
Iron and its products	1,789	164,087	231,595,911	377,499,134	411,875,057	789,374,191
Non-ferrous metal products	324	23,162	27,895,343	48,434,120	52,847,178	101,281,298
Non-metallic mineral products	846	25,500	32,351,764	69,856,558	80,205,472	150,062,030
Chemicals and allied products	464	17,653	22,193,421	62,644,608	65,183,212	127,827,820
Miscellaneous industries	552	13,442	14,613,455	23,465,807	27,841,778	51,307,585
Totals, 1920	22,532	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1929						
Vegetable products	5,350	91,032	95,853,121	431,595,751	341,688,938	783,706,883
Animal products	4,490	67,670	62,081,423	345,351,882	127,929,857	477,761,855
Textiles and textile products	1,534	103,881	94,969,433	217,954,088	180,469,064	403,205,809
Wood and paper products	7,392	164,572	192,088,948	313,797,201	381,485,477	724,972,308
Iron and its products	1,224	142,772	203,740,658	405,818,468	367,465,582	790,726,338
Non-ferrous metal products	408	39,867	54,501,806	124,900,632	150,415,215	283,545,666
Non-metallic mineral products	843	29,257	38,958,390	112,573,103	99,065,847	229,774,300
Chemicals and allied products	554	16,694	22,639,449	55,184,337	78,785,911	138,545,221
Miscellaneous industries	421	10,786	12,457,989	22,495,351	28,081,046	51,207,736
Totals, 1929	22,216	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1933						
Vegetable products	5,916	75,416	68,535,349	226,879,373	196,820,952	432,315,617
Animal products	4,496	53,111	46,453,188	179,429,948	87,629,444	271,068,210
Textiles and textile products	1,740	95,707	72,813,424	143,184,861	131,065,992	279,475,267
Wood and paper products	7,891	105,080	102,218,652	134,663,641	184,233,540	341,336,701
Iron and its products	1,334	73,348	72,296,179	98,793,191	109,198,169	216,828,992
Non-ferrous metal products	478	25,273	28,099,026	71,990,608	88,427,984	164,765,604
Non-metallic mineral products	770	16,975	19,282,401	69,077,701	52,817,078	131,325,706
Chemicals and allied products	696	15,397	18,738,629	34,271,854	55,394,234	92,820,761
Miscellaneous industries	459	8,351	7,810,976	9,497,751	14,083,788	24,138,927
Totals, 1933	23,780	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-1955 — Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	No.	No.	\$	\$	\$	\$
1939						
Vegetable products	5,372	99,447	104,248,785	356,726,153	292,129,840	659,624,014
Animal products	4,362	69,358	68,231,871	333,647,306	122,821,410	461,983,262
Textiles and textile products	1,930	121,022	107,117,035	203,618,197	121,927,898	392,657,759
Wood and paper products	8,538	144,732	165,287,455	246,292,820	303,662,441	579,892,183
Iron and its products	1,394	121,041	158,559,728	262,292,781	275,774,796	553,468,880
Non-ferrous metal products	526	44,563	59,684,858	242,063,177	155,803,806	416,060,459
Non-metallic mineral products	809	23,026	30,067,934	107,979,292	85,511,631	208,166,781
Chemicals and allied products	808	22,595	31,567,558	65,230,839	89,046,832	159,536,984
Miscellaneous industries	566	12,280	13,045,929	18,308,810	24,368,247	43,393,206
Totals, 1939	24,805	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1944						
Vegetable products	5,941	130,679	183,943,948	763,606,750	495,551,491	1,270,518,297
Animal products	4,388	94,195	129,215,389	835,586,247	246,064,720	1,092,015,647
Textiles and textile products	2,481	153,122	195,905,681	419,988,642	351,186,488	781,771,688
Wood and paper products	10,452	189,674	284,436,559	497,656,158	550,826,986	1,093,725,822
Iron and its products	2,192	411,944	818,452,454	1,104,083,922	1,390,703,027	2,540,992,974
Non-ferrous metal products	635	104,314	182,909,292	549,317,062	399,498,519	992,345,975
Non-metallic mineral products	748	31,590	56,130,338	234,714,319	182,525,053	416,268,879
Chemical and allied products	981	81,822	137,422,977	360,412,749	355,260,598	733,569,232
Miscellaneous industries	665	25,542	41,304,732	66,967,507	84,159,068	152,484,005
Totals, 1944	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1949						
Vegetable products	5,903	143,032	285,536,723	1,236,409,496	754,329,727	2,020,565,833
Animal products	4,231	102,657	197,189,519	1,158,872,220	369,545,771	1,543,930,584
Textiles and textile products	3,234	186,328	342,930,642	669,108,586	606,402,697	1,290,314,474
Wood and paper products	15,866	262,835	579,896,808	1,061,229,176	1,184,539,519	2,325,304,849
Iron and its products	2,658	265,474	678,924,105	1,197,956,715	1,219,303,992	2,468,376,349
Non-ferrous metal products	897	100,614	251,869,627	749,678,627	558,467,028	1,353,329,383
Non-metallic mineral products	1,097	42,691	104,377,854	469,437,193	261,691,705	780,188,518
Chemicals and allied products	1,022	40,499	98,568,559	238,377,149	279,038,860	536,156,674
Miscellaneous industries	884	27,077	52,596,820	62,161,902	97,247,135	161,426,636
Totals, 1949	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1954¹						
Vegetable products	5,825	145,842	400,492,625	1,459,144,653	1,067,282,575	2,563,927,081
Animal products	3,689	100,352	259,157,349	1,310,727,221	480,458,187	1,813,185,823
Textiles and textile products	3,407	169,465	391,920,356	723,169,806	632,435,702	1,378,303,384
Wood and paper products	17,198	287,317	881,030,481	1,561,744,936	1,763,010,994	3,430,311,344
Iron and its products	3,166	304,728	1,078,530,027	1,808,728,716	1,777,079,766	3,651,360,402
Non-ferrous metal products	1,030	125,569	440,700,922	1,114,549,500	949,893,993	2,127,716,961
Non-metallic mineral products	1,264	52,798	184,530,804	770,531,901	615,324,067	1,456,119,348
Chemicals and allied products	1,104	50,935	174,849,466	391,963,368	467,919,639	882,604,171
Miscellaneous industries	1,345	30,970	85,475,661	101,297,453	148,719,214	250,998,990
Totals, 1954	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
1955¹						
Vegetable products	5,935	148,130	423,054,790	1,516,736,463	1,165,236,872	2,699,898,995
Animal products	3,584	100,937	268,143,843	1,294,513,222	510,347,784	1,824,360,045
Textiles and textile products	3,345	174,307	414,031,271	804,968,085	688,140,463	1,507,216,437
Wood and paper products	17,109	295,484	945,153,499	1,724,398,172	1,924,005,000	3,767,432,484
Iron and its products	3,258	311,030	1,151,735,380	2,114,602,962	1,999,776,770	4,174,966,314
Non-ferrous metal products	1,049	129,555	465,141,353	1,452,447,941	1,060,662,699	2,589,595,867
Non-metallic mineral products	1,277	56,435	203,443,290	878,874,296	719,006,866	1,674,943,300
Chemical and allied products	1,114	51,174	182,764,254	438,086,053	521,911,302	993,756,785
Miscellaneous industries	1,511	31,409	88,941,854	113,574,971	164,362,740	281,763,584
Totals 1955	38,182	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811

1. In 1952 the basis of collection was changed from "value of products made" to "value of factory shipments"—See text on pages 8 and 25.

Subsection 3. Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials that cannot be grown in Canada, such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to non-ferrous metals so largely produced in Canada, the manufactures of iron and steel, or petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced indus-

trial organization is usually indicated by a relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed, employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1955 the average salary and wage was \$3,661 for the mineral group and \$2,720 for the farm origin group.

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-55

Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Gross value of products
	No.	\$	No.	\$	\$	\$
1924						
Farm origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Mineral origin	2,806	1,010,517,944	136,837	171,068,497	349,800,585	700,002,097
Forest origin	6,873	876,149,932	126,907	147,719,245	245,183,429	544,282,597
Marine origin	836	20,304,785	11,157	3,344,348	16,089,332	26,637,962
Wild life origin	226	10,837,249	2,944	3,194,213	7,506,169	13,386,266
Mixed origin	1,305	204,716,127	57,277	55,927,609	101,563,384	200,718,177
Grand totals, 1924	20,709	2,895,317,508	487,610	534,467,675	1,436,190,791¹	2,584,306,764¹
Farm origin group:						
From field crop	4,595	525,717,571	89,436	87,789,237	433,443,376	691,513,259
From animal husbandry	4,068	247,073,900	63,052	65,424,526	282,604,516	407,766,406
Totals, farm origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Canadian origin	8,379	546,231,949	114,514	119,217,657	553,357,883	848,236,237
Foreign origin	284	226,559,522	37,974	33,996,106	162,690,009	251,043,428
1929						
Farm origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Mineral Origin	3,219	1,550,662,908	218,879	304,027,803	678,683,203	1,392,499,868
Forest origin	7,353	1,148,558,242	163,863	191,044,307	313,088,964	722,269,066
Marine origin	730	28,644,442	16,367	5,411,855	21,496,859	34,965,280
Wild life origin	234	14,338,686	3,767	4,783,323	12,847,817	20,861,039
Mixed origin	1,639	293,302,865	81,973	83,717,174	150,947,887	316,080,314
Grand totals, 1929	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	3,883,446,116
Farm origin group:						
From field crops	5,191	697,206,163	114,236	115,201,292	496,842,580	889,075,246
From animal husbandry	3,850	272,178,703	67,446	73,105,463	355,763,503	507,694,323
Totals, farm origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Canadian origin	8,743	708,461,549	134,680	140,340,993	682,056,026	1,106,006,184
Foreign origin	298	260,923,317	47,002	47,965,762	170,550,057	290,763,385
1933						
Farm origin	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Mineral origin	3,539	1,306,641,651	130,565	138,101,092	271,434,337	601,428,003
Forest origin	7,796	882,445,602	102,807	99,046,012	133,550,374	335,886,257
Marine origin	620	15,532,775	4,064	2,287,385	10,960,289	17,380,323
Wild life origin	335	10,507,157	3,498	3,481,885	7,159,079	13,000,927
Mixed origin	1,795	219,550,595	69,122	55,619,701	89,802,145	194,423,805
Grand Totals, 1933	23,780	3,279,259,838	468,658	436,247,824	967,788,928	1,954,075,785
Farm origin group:						
From field crops	5,746	609,044,529	93,433	81,655,182	263,007,043	494,048,930
From animal husbandry	3,949	235,537,529	65,169	56,056,567	191,875,661	297,907,540
Totals, farm origin	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Canadian origin	9,373	629,450,643	124,547	107,807,386	365,559,776	620,197,449
Foreign origin	322	215,131,415	34,055	29,904,363	89,322,928	171,759,021
1939						
Farm origin	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Mineral origin	3,474	1,498,265,618	210,752	280,054,303	669,728,573	1,321,444,094
Forest origin	8,430	951,016,933	142,091	160,798,500	244,944,997	572,335,960
Marine origin	523	21,479,200	5,369	3,636,794	18,114,698	28,816,536
Wild life origin	384	14,723,743	4,604	5,396,623	11,592,066	19,961,526
Mixed origin	1,791	208,609,063	75,088	70,197,968	113,528,916	242,232,391
Grand totals, 1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	3,474,783,528
Farm origin group:						
From field crops	6,096	649,746,486	124,708	126,311,033	410,994,461	759,964,866
From animal husbandry	4,107	303,183,406	95,502	91,413,932	367,255,664	530,028,155
Totals, farm origin	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Canadian origin	9,382	699,345,423	171,460	168,260,771	630,779,223	1,011,294,132
Foreign origin	821	253,584,469	48,750	49,464,194	147,470,902	278,698,889

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-55 - Concluded

Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ²
	No.	No.	\$	\$	\$	\$
1944						
Farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Mineral origin	4,479	634,542	1,208,779,764	2,258,796,792	2,312,260,844	4,708,104,244
Forest origin	10,347	186,680	278,171,969	495,531,476	541,521,976	1,082,160,234
Marine origin	535	9,664	10,327,695	45,906,542	22,066,801	68,882,879
Wild life origin	535	6,190	9,430,191	28,076,572	15,728,926	43,985,177
Mixed origin	2,258	98,050	128,195,442	223,007,600	253,202,359	481,828,520
Grand totals, 1944	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
Farm origin group:						
From field crops	6,307	164,514	226,751,705	888,435,918	563,349,320	1,477,008,962
From animal husbandry	4,022	123,242	167,964,604	892,578,456	307,645,784	1,211,722,453
Totals, farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Canadian origin	9,493	225,077	303,293,749	1,507,501,822	668,958,344	2,202,655,904
Foreign origin	836	62,679	91,422,560	273,512,552	202,036,760	486,075,511
1949						
Farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Mineral origin	5,936	453,960	1,147,317,944	2,652,631,878	2,315,722,610	4,708,104,244
Forest origin	15,467	255,671	562,316,999	1,051,100,174	1,158,202,397	2,288,386,108
Marine origin	599	11,856	16,969,825	69,090,041	41,140,022	111,961,148
Wild life origin	663	8,370	18,008,212	38,475,825	28,844,758	67,646,428
Mixed origin	3,104	128,777	238,980,627	367,830,957	458,665,555	835,769,392
Grand totals, 1949	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
Farm origin group:						
From field crops	6,165	175,715	348,944,897	1,414,938,794	863,950,508	2,313,027,879
From animal husbandry	3,858	136,858	259,352,153	1,249,163,395	464,404,484	1,729,718,012
Totals, farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Canadian origin	9,204	247,762	473,274,682	2,289,435,804	1,041,245,310	3,369,356,461
Foreign origin	819	64,811	135,022,368	374,666,385	286,745,682	673,389,430
1954²						
Farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Mineral origin	6,854	539,830	1,902,255,686	4,083,393,939	3,808,242,171	8,113,391,979
Forest origin	16,823	280,573	857,047,039	1,547,843,710	1,727,150,805	3,380,340,406
Marine origin	586	14,202	26,001,277	95,632,683	55,219,381	153,456,535
Wild life origin	598	6,431	17,348,494	37,022,130	26,595,921	64,099,781
Mixed origin	3,625	125,269	302,644,357	467,107,596	549,795,481	1,030,770,994
Grand totals, 1954	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
Farm origin group:						
From field crops	6,135	173,171	468,666,325	1,631,251,171	1,170,756,138	2,845,128,473
From animal husbandry	3,407	128,490	322,724,513	1,379,606,325	564,364,240	1,967,339,336
Totals, farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Canadian origin	8,612	242,239	624,181,936	2,617,517,447	1,377,694,249	4,041,115,667
Foreign origin	930	59,422	167,208,902	393,340,049	357,426,129	771,352,142
1955²						
Farm origin	9,563	306,775	834,466,376	3,090,034,728	1,886,361,992	5,018,043,074
Mineral origin	6,991	553,293	2,025,503,097	4,879,820,983	4,292,170,913	9,420,260,258
Forest origin	16,742	288,689	920,103,929	1,709,062,373	1,886,856,254	3,714,054,272
Marine origin	574	14,626	26,320,382	101,921,132	55,304,122	159,888,395
Wild life origin	576	6,181	17,418,460	39,510,943	27,503,574	66,847,673
Mixed origin	3,736	128,892	318,597,290	517,852,006	605,253,641	1,134,840,139
Grand totals, 1955	38,182	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811
Farm origin group:						
From field crops	6,250	177,315	498,522,163	1,721,204,098	1,278,200,614	3,020,832,929
From animal husbandry	3,313	129,460	335,944,213	1,368,830,630	608,161,378	1,997,210,145
Totals, farm origin	9,563	306,775	834,466,376	3,090,034,728	1,886,361,992	5,018,043,074
Canadian origin	8,615	244,696	653,033,200	2,622,997,209	1,477,350,908	4,138,441,425
Foreign origin	948	62,079	181,433,176	467,037,519	409,011,084	879,601,649

1. For the year 1924 the figures for "Cost of Materials" and "Gross Value of Products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.

2. In 1952 the basis of collection was changed from "Value of Products Made" to "Value of Factory Shipments". See text on pages 8 and 25.

Subsection 4. Manufactures Classified by Type of Ownership

The present report deals with the type of ownership under which Canadian manufacturers operate. The first survey in 1946 did not include the fish-curing and packing industry, information for which was not available at that time. For this reason the figures for 1946 are not strictly comparable with those for succeeding years, although the inclusion of that industry has not materially altered the percentage distribution of individual ownership, incorporated companies, etc.

Of the 38,182 establishments operating in 1955, 1,617 establishments in the periodical publishing industry were unclassifiable, leaving 36,565 establishments in the four categories

of ownership. Individual ownership numbered 15,609 establishments, partnerships 4,977, incorporated companies 15,037 and co-operatives 942. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1955. It is interesting to note that incorporated companies are becoming increasingly important, the percentage of the total number of establishments having risen from 33.4 in 1946 to 41.1 in 1955, while the other three categories declined in importance. This trend to incorporation is no doubt accentuated by the favourable income tax rate allowed companies on the first \$20,000 of income.

Year	Individual ownership	Partnerships	Incorporated companies	Co-operatives
1946 (estimated)	47.3	16.0	33.4	3.3
1947	46.4	16.1	34.3	3.2
1948	46.2	16.4	34.4	3.0
1949	46.0	15.8	35.3	2.9
1950	45.6	15.0	36.3	3.1
1951	44.6	15.5	36.9	3.0
1952	44.9	15.4	36.9	2.8
1953	44.4	14.8	38.2	2.6
1954	43.6	14.3	39.5	2.6
1955	42.7	13.6	41.1	2.6

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on under individual ownership. In that category industries conducted

on a small scale contain a large number of establishments, the percentage decreasing as the scale of operations increases, as the following statement shows.

No.	Group	Average number of employees per establishment	Percentage of individual ownership establishments to total
1	Wood products	11.3	60.1
2	Printing, publishing and allied industries	15.5	43.6
3	Miscellaneous manufacturing industries	20.7	35.6
4	Foods and beverages	22.1	46.4
5	Non-metallic mineral products	33.3	32.2
6	Clothing	33.9	27.1
7	Chemicals and allied products	46.1	16.7
8	Leather products	47.3	26.6
9	Iron and steel products	62.8	24.8
10	Textile mills	70.8	30.0
11	Knitting mills	73.2	15.2
12	Non-ferrous metal products	91.8	24.8
13	Paper products	154.7	7.9
14	Electrical apparatus and supplies	162.9	7.7
15	Products of petroleum and coal	164.9	1.9
16	Tobacco and tobacco products	170.2	35.7
17	Transportation equipment	221.9	27.9
18	Rubber products	267.2	14.6
	All groups	34.0	42.7

It is therefore found, according to the above, that in the wood products group 60 p.c. of the establishments were under individual ownership. The foods and beverages group had 46 p.c. of its establishments in this classification, followed by the printing, publishing and allied trades with 44 p.c., tobacco and tobacco products 36 p.c., miscellaneous industries 36 p.c., non-metallic mineral products 32 p.c., textiles 30 p.c., transportation equipment 28 p.c., clothing 27 p.c., leather products 27 p.c., iron and steel and non-ferrous metal products 25 p.c. etc. The petroleum and coal products group with only 1.9 of the total had the smallest number of establishments operating under individual ownership.

The establishments operating under individual ownership are not as important, from the point of view of employment provided, as their large numbers would indicate. According to tables 15 and 16, these establishments which comprise 43 p.c. of the total have only 5 p.c. of the total employees. Partnerships accounted for 14 p.c. of the number of establishments and 3 p.c.

of the total employees. Incorporated companies with 41 p.c. of the number of establishments had 91 p.c. of the employees. Co-operatives with 3 p.c. of the establishments had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are, by a wide margin, the most important factor in the employment field. In the petroleum and coal products group practically 100 p.c. of the employees were reported by such companies, while the electrical apparatus and supplies, rubber, paper and transportation equipment groups had 99 p.c. Companies in the chemicals, tobacco and non-ferrous metal products groups had 98 p.c., iron and steel products 96 p.c., textiles 95 p.c., knitting mills 94 p.c., non-metallic mineral products 93 p.c., leather products 90 p.c., miscellaneous industries 88 p.c., printing, publishing and allied trades 86 p.c., clothing 83 p.c. and foods and beverages 82 p.c. Companies in the wood products group with 73 reported the lowest percentage of the total employment.

TABLE 15. Percentage Distribution of Establishments in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1955¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
	p.c.	p.c.	p.c.	p.c.	p.c.
Province					
Newfoundland	47.5	32.8	19.5	0.2	100.0
Prince Edward Island	47.3	17.4	30.3	5.0	100.0
Nova Scotia	52.9	14.8	30.5	1.8	100.0
New Brunswick	53.9	10.9	32.5	2.7	100.0
Quebec	47.4	10.5	38.2	3.9	100.0
Ontario	36.9	13.3	47.8	2.0	100.0
Manitoba	38.9	14.9	44.6	1.6	100.0
Saskatchewan	53.1	16.2	25.7	5.0	100.0
Alberta	47.6	16.9	32.4	3.1	100.0
British Columbia	36.3	17.0	45.5	1.2	100.0
Yukon and Northwest Territories	30.8	19.2	50.0	—	100.0
Canada	42.7	13.6	41.1	2.6	100.0
Industrial Groups					
Foods and beverages	46.4	10.6	32.1	10.9	100.0
Tobacco and tobacco products	35.7	1.8	58.9	3.6	100.0
Rubber products	14.6	3.7	81.7	—	100.0
Leather products	26.6	11.2	62.2	—	100.0
Textile mills	30.0	11.2	58.5	0.3	100.0
Knitting mills	15.2	10.8	74.0	—	100.0
Clothing	27.1	17.0	55.9	—	100.0
Wood products	60.1	18.1	21.6	0.2	100.0
Paper products	7.9	3.6	88.5	—	100.0
Printing, publishing and allied industries ¹	43.6	15.1	40.8	0.5	100.0
Iron and steel products	24.8	11.6	63.5	0.1	100.0
Transportation equipment	27.9	10.1	62.0	—	100.0
Non-ferrous metal products	24.8	11.0	64.2	—	100.0
Electrical apparatus and supplies	7.7	3.4	88.9	—	100.0
Non-metallic mineral products	32.2	13.2	54.5	0.1	100.0
Products of petroleum and coal	1.9	—	96.2	1.9	100.0
Chemicals and allied products	16.7	4.4	78.6	0.3	100.0
Miscellaneous manufacturing industries	35.6	12.2	52.0	0.2	100.0

1. Four main categories of ownership only; the non-classifiable group is not included.

TABLE 16. Percentage Distribution of Employment in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1955¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
	p.c.	p.c.	p.c.	p.c.	p.c.
Province					
Newfoundland	6.6	6.1	87.1	0.2	100.0
Prince Edward Island	17.0	11.1	67.6	4.3	100.0
Nova Scotia	10.6	3.8	84.5	1.1	100.0
New Brunswick	10.1	2.8	85.4	1.7	100.0
Quebec	6.4	3.0	89.8	0.8	100.0
Ontario	3.4	2.4	93.9	0.3	100.0
Manitoba	5.2	3.6	90.3	0.9	100.0
Saskatchewan	11.3	5.9	71.5	11.3	100.0
Alberta	9.4	5.5	82.8	2.3	100.0
British Columbia	5.4	4.1	88.6	1.9	100.0
Yukon and Northwest Territories	13.5	11.8	74.7	—	100.0
Canada	5.2	2.9	91.0	0.9	100.0
Industrial Group					
Foods and beverages	9.3	3.5	82.4	4.8	100.0
Tobacco and tobacco products	1.2	—	98.8	—	100.0
Rubber products	0.4	0.4	99.2	—	100.0
Leather products	5.5	3.9	90.6	—	100.0
Textile mills	2.6	1.8	95.5	0.1	100.0
Knitting mills	1.4	4.3	94.3	—	100.0
Clothing	8.3	8.5	83.2	—	100.0
Wood products	17.4	8.5	73.7	0.4	100.0
Paper products	0.3	0.3	99.4	—	100.0
Printing, publishing and allied industries ¹	7.8	4.4	86.6	1.2	100.0
Iron and steel products	2.1	1.6	96.3	—	100.0
Transportation equipment	0.5	0.3	99.2	—	100.0
Non-ferrous metal products	1.4	0.9	97.7	—	100.0
Electrical apparatus and supplies	0.2	0.2	99.6	—	100.0
Non-metallic mineral products	4.2	3.0	92.8	—	100.0
Products of petroleum and coal	—	—	100.0	—	100.0
Chemicals and allied industries	1.0	0.5	98.2	0.3	100.0
Miscellaneous manufacturing industries	7.7	4.0	88.1	0.2	100.0

1. Four main categories of ownership only; the non-classifiable group is not included.

Symbols — nil.

— amount too small to be expressed.

TABLE 17. Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership, 1955

No.	Industry	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
		p.c.	p.c.	p.c.	p.c.	p.c.
1	Pulp and paper.....	—	—	100.0	—	100.0
2	Non-ferrous metal smelting and refining	—	—	100.0	—	100.0
3	Petroleum products.....	—	—	100.0	—	100.0
4	Motor vehicles.....	—	—	100.0	—	100.0
5	Slaughtering and meatpacking.....	1.0	1.1	96.0	1.9	100.0
6	Sawmills.....	25.8	11.9	61.7	0.6	100.0
7	Primary iron and steel	—	—	100.0	—	100.0
8	Butter and cheese	9.6	3.6	63.7	23.1	100.0
9	Aircraft and parts	0.1	—	99.9	—	100.0
10	Miscellaneous electrical apparatus and supplies.....	0.2	0.3	99.5	—	100.0
11	Rubber goods (including footwear).....	0.4	0.3	99.3	—	100.0
12	Miscellaneous food preparations.....	2.8	1.0	96.2	—	100.0
13	Bread and other bakery products.....	25.4	7.0	67.2	0.4	100.0
14	Motor vehicle parts.....	0.8	0.5	98.7	—	100.0
15	Printing and publishing	4.4	1.9	92.5	1.2	100.0
16	Telecommunication equipment.....	0.3	0.2	99.5	—	100.0
17	Furniture.....	12.0	7.2	80.8	—	100.0
18	Sheet metal products.....	1.6	1.4	87.0	—	100.0
19	Industrial machinery.....	1.1	0.4	98.5	—	100.0
20	Clothing, men's factory	3.5	7.6	88.9	—	100.0
21	Railway rolling stock.....	—	—	100.0	—	100.0
22	Sash, door and planing mills.....	16.4	7.7	75.9	—	100.0
23	Fruit and vegetable preparations	4.4	2.9	89.3	3.4	100.0
24	Cotton yarn and cloth.....	0.1	—	99.9	—	100.0
25	Clothing, women's factory.....	5.2	5.8	89.0	—	100.0
26	Flour mills.....	1.0	1.9	97.1	—	100.0
27	Miscellaneous chemical products.....	1.7	0.3	98.0	—	100.0
28	Brass and copper products.....	1.8	1.6	96.6	—	100.0
29	Boxes and bags, paper.....	1.1	1.3	97.6	—	100.0
30	Breweries.....	—	—	100.0	—	100.0
31	Printing and bookbinding.....	13.4	7.7	77.3	1.6	100.0
32	Machinery, heavy electrical.....	0.1	—	99.9	—	100.0
33	Feeds, stock and poultry, prepared	16.2	6.6	58.0	19.2	100.0
34	Castings, iron	2.3	1.9	95.8	—	100.0
35	Acids, alkalies and salts.....	—	—	100.0	—	100.0
36	Miscellaneous paper goods	1.0	0.8	98.2	—	100.0
37	Tobacco, cigars and cigarettes.....	1.5	—	98.5	—	100.0
38	Fish processing.....	8.6	2.7	82.6	6.1	100.0
39	Synthetic textiles and silk.....	—	—	100.0	—	100.0
40	Bridge building and structural steel.....	—	—	100.0	—	100.0

Symbols: -- amount too small to be expressed.
— nil or zero.

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1955

Provinces	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Individual ownership.....	15,609	66,791	129,114,033	11,687,301	290,351,293	524,980,506
Partnerships.....	4,977	38,427	83,018,598	5,657,669	169,328,102	314,338,239
Incorporated companies.....	15,037	1,176,940	3,891,605,621	436,338,802	9,658,642,938	18,368,365,979
Co-operatives.....	942	10,726	26,298,204	4,105,698	193,551,056	248,958,659
Not classifiable ¹	1,617	5,577	12,373,078	—	26,328,776	57,290,428
Totals	38,182	1,298,461	4,142,409,534	457,789,470	10,338,202,165	19,513,933,811
Newfoundland:						
Individual ownership.....	366	688	834,742	92,288	1,329,656	2,754,435
Partnerships.....	253	636	423,622	37,996	714,401	1,447,023
Incorporated companies.....	150	9,013	27,316,847	5,315,918	47,775,340	111,200,881
Co-operatives.....	2					
Not classifiable ¹	14					
Totals	785	10,361	28,604,468	5,446,202	49,914,856	115,579,036
Prince Edward Island:						
Individual ownership.....	95	299	366,233	45,445	1,453,994	2,282,973
Partnerships.....	35	197	279,535	34,122	744,177	1,235,511
Incorporated companies.....	61	1,272	2,428,273	303,591	14,596,173	20,100,318
Co-operatives.....	10					
Not classifiable ¹	3					
Totals	204	1,769	3,074,085	383,158	16,803,035	23,628,831

1. Consists of the industry "Publishing (only) of Periodicals".

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province Grouped According to the Type of Ownership, 1955 — Concluded

Provinces	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Nova Scotia:						
Individual ownership	774	3,198	4,598,179	438,237	14,884,977	24,288,880
Partnerships	217	1,146	1,682,349	163,322	6,186,914	9,437,436
Incorporated companies	446	25,805	70,227,297	10,060,137	153,911,027	297,087,928
Co-operatives	26					
Not classifiable ¹	61	69	48,098	—	211,501	315,446
Totals.....	1,524	30,218	76,555,923	10,661,696	175,194,419	331,129,690
New Brunswick:						
Individual ownership	553	2,260	3,102,988	370,843	10,410,748	16,926,835
Partnerships	112	624	886,531	73,017	1,955,652	3,560,467
Incorporated companies	334	19,509	52,633,569	12,014,336	148,348,537	274,017,438
Co-operatives	28					
Not classifiable ¹	25	41	60,257	—	190,282	324,310
Totals.....	1,052	22,434	56,683,345	12,458,196	160,905,219	294,829,050
Quebec:						
Individual ownership	5,555	27,380	50,692,772	4,349,147	125,288,562	218,041,456
Partnerships	1,227	13,133	27,606,496	1,554,025	56,697,087	104,497,378
Incorporated companies	4,479	386,237	1,185,509,982	153,553,028	2,957,569,641	5,569,146,049
Co-operatives	452					
Not classifiable ¹	481	2,825	7,268,703	—	12,986,041	30,682,191
Totals.....	12,194	429,575	1,271,077,953	159,456,200	3,152,541,331	5,922,367,074
Ontario:						
Individual ownership	4,685	20,736	44,840,145	3,884,039	95,552,418	173,249,158
Partnerships	1,689	14,463	34,661,474	2,233,420	72,523,025	131,731,954
Incorporated companies	6,057	576,770	2,005,659,760	196,812,554	4,836,793,784	9,293,616,680
Co-operatives	242					
Not classifiable ¹	603	1,903	3,744,248	—	9,356,196	19,045,169
Totals.....	13,276	613,872	2,088,905,627	202,930,013	5,014,225,423	9,617,642,961
Manitoba:						
Individual ownership	556	2,117	4,155,718	385,935	8,660,836	15,693,040
Partnerships	213	1,490	3,155,221	223,814	6,816,354	11,879,577
Incorporated companies	639	37,524	114,066,128	10,830,210	313,350,768	559,211,624
Co-operatives	23					
Not classifiable ¹	118	187	341,506	—	870,807	1,566,840
Totals.....	1,549	41,318	121,718,573	11,439,959	329,698,765	588,351,081
Saskatchewan:						
Individual ownership	484	1,292	2,261,176	251,880	3,001,101	7,320,402
Partnerships	148	673	1,315,278	148,661	2,564,927	5,156,038
Incorporated companies	234	9,460	31,153,458	7,380,816	168,151,328	282,172,104
Co-operatives	46					
Not classifiable ¹	48	65	95,599	—	361,345	513,493
Totals.....	960	11,490	34,825,511	7,781,357	174,078,701	295,162,037
Alberta:						
Individual ownership	962	3,266	6,265,439	694,673	11,702,839	24,094,430
Partnerships	343	1,909	3,995,451	329,375	6,533,609	14,026,583
Incorporated companies	655	29,520	96,104,584	11,472,194	347,130,520	601,876,719
Co-operatives	63					
Not classifiable ¹	103	151	183,341	—	655,885	1,148,503
Totals.....	2,126	34,846	106,548,815	12,496,242	366,022,853	641,148,235
British Columbia:						
Individual ownership	1,571	5,532	11,935,542	1,167,346	18,010,094	40,176,479
Partnerships	735	4,136	8,982,141	856,665	14,554,776	31,273,841
Incorporated companies	1,969	92,429	332,291,019	32,531,254	861,816,229	1,604,386,746
Co-operatives	50					
Not classifiable ¹	161	311	602,025	—	1,592,569	3,507,750
Totals.....	4,486	102,408	353,810,727	34,555,265	896,973,668	1,679,344,816
Yukon and Northwest Territories:						
Individual ownership	8	23	61,099	7,468	56,068	152,418
Partnerships	5	20	30,500	3,252	37,180	90,431
Incorporated companies	13	127	512,908	170,462	2,750,647	4,508,151
Totals.....	26	170	604,507	181,182	2,843,895	4,751,000

1. Consists of the industry "Publishing (only) of Periodicals".

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by type of Ownership 1955

Industrial groups	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1. Foods and Beverages:						
Individual ownership	3,774	16,755	30,018,730	5,448,180	129,183,403	186,954,621
Partnerships	863	6,251	12,806,394	2,002,219	59,931,897	85,754,355
Incorporated companies	2,614	148,472	435,861,311	42,752,566	1,954,427,741	3,122,742,015
Co-operatives	883	8,607	20,100,142	3,275,852	176,239,908	218,864,625
Totals	8,134	180,085	498,786,577	53,478,817	2,319,782,949	3,614,315,616
2. Tobacco and tobacco products:						
Individual ownership	20	112	198,377	7,303	253,906	555,952
Partnerships	1					
Incorporated companies	33	9,417	29,248,514	723,894	162,773,979	250,377,833
Co-operatives	2					
Totals	56	9,529	29,446,891	731,197	163,027,885	250,933,785
3. Rubber products:						
Individual ownership	12	84	179,581	12,954	136,735	362,366
Partnerships	3	78	159,681	11,266	141,564	404,160
Incorporated companies	67	21,751	73,435,702	4,148,891	136,796,471	321,645,853
Totals	82	21,913	73,774,964	4,173,111	137,074,770	322,412,379
4. Leather products:						
Individual ownership	172	1,670	3,369,240	99,015	5,465,875	10,535,262
Partnerships	72	1,205	2,477,586	72,012	3,752,550	7,476,067
Incorporated companies	402	27,700	63,123,450	1,945,349	99,743,194	200,031,761
Totals	646	30,575	68,970,276	2,116,376	108,961,619	218,043,090
5. Textile Mills:						
Individual ownership	293	1,826	3,672,712	203,821	6,232,638	12,917,054
Partnerships	109	1,231	2,556,364	120,062	3,979,638	8,047,024
Incorporated companies	572	66,046	181,512,607	13,485,331	398,275,659	713,016,803
Co-operatives	3	41	63,361	7,967	402,641	534,564
Totals	977	69,144	187,805,044	13,817,181	408,890,576	734,515,445
6a. Knitting mills:						
Individual ownership	45	299	556,760	25,681	1,381,625	2,442,046
Partnerships	32	925	1,829,989	52,719	3,608,949	7,089,408
Incorporated companies	219	20,434	44,821,459	1,793,473	70,714,940	145,655,309
Totals	296	21,658	47,208,208	1,871,873	75,705,514	155,186,763
6b. Clothing:						
Individual ownership	718	7,470	14,116,749	343,295	26,124,226	49,444,104
Partnerships	451	7,612	16,769,086	295,381	29,247,123	56,110,061
Incorporated companies	1,479	74,604	165,550,546	2,362,692	304,511,589	578,807,737
Totals	2,648	89,686	196,436,479	3,001,368	359,882,938	684,361,902
7. Wood products:						
Individual ownership	7,098	23,316	40,330,721	3,440,991	86,882,264	166,664,353
Partnerships	2,128	11,419	21,055,631	1,672,075	40,271,084	79,543,235
Incorporated companies	2,550	98,458	291,942,757	13,725,436	594,677,142	1,124,844,632
Co-operatives	28	480	1,110,788	79,842	1,985,003	4,291,334
Totals	11,804	133,673	354,439,897	18,918,344	723,815,493	1,377,343,554
8. Paper products:						
Individual ownership	46	272	618,580	24,581	1,072,906	2,127,826
Partnerships	21	263	607,923	21,257	1,163,525	2,092,931
Incorporated companies	513	89,215	348,550,546	94,729,445	790,771,638	1,749,877,748
Totals	580	89,750	349,777,049	94,775,283	793,008,069	1,754,098,505
9. Printing, publishing and allied industries:						
Individual ownership	1,256	5,001	12,163,904	490,078	8,390,040	27,959,600
Partnerships	431	2,850	7,643,961	250,009	5,650,368	17,598,365
Incorporated companies	1,175	55,424	200,117,831	4,202,047	157,405,134	511,690,714
Co-operatives	15	750	2,281,084	54,485	1,387,425	5,289,679
Not Classifiable ¹	1,617	5,577	12,373,078	—	26,328,776	57,290,428
Totals	4,494	69,602	234,579,858	4,996,619	199,161,743	619,828,786
10. Iron and steel products:						
Individual ownership	719	3,908	9,923,377	593,553	8,101,277	23,845,480
Partnerships	335	2,858	8,160,056	452,246	9,755,811	23,097,679
Incorporated companies	1,839	174,934	649,573,646	53,697,971	987,389,905	2,195,774,759
Co-operatives	2					
Totals	2,895	181,700	667,657,079	54,743,770	1,005,246,993	2,242,717,918
11. Transportation equipment:						
Individual ownership	166	624	1,326,681	75,389	1,361,299	3,368,306
Partnerships	60	434	1,109,688	44,603	1,493,463	2,968,840
Incorporated companies	368	130,731	487,998,627	18,956,284	1,114,914,074	1,944,072,889
Totals	594	131,789	490,434,996	19,076,276	1,117,768,836	1,960,410,035

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by type of Ownership 1955 — Concluded

Industrial groups	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
12. Non-ferrous metal products:						
Individual ownership	144	731	1,785,967	87,468	2,595,441	5,513,418
Partnerships	64	496	1,156,630	62,035	2,062,042	3,959,121
Incorporated companies	373	52,084	198,167,282	62,250,186	970,134,705	1,617,508,316
Totals	581	53,311	201,109,879	62,399,689	974,792,188	1,626,980,855
13. Electrical apparatus and supplies:						
Individual ownership	36	160	364,794	15,982	720,752	1,254,421
Partnerships	16	157	392,380	17,477	820,749	1,439,654
Incorporated companies	416	75,927	263,274,300	7,842,766	476,114,252	959,920,937
Totals	468	76,244	264,031,474	7,876,225	477,655,753	962,615,012
14. Non-metallic mineral products:						
Individual ownership	377	1,641	3,622,677	424,175	3,921,476	10,526,080
Partnerships	155	1,093	2,616,354	407,277	2,779,905	7,781,826
Incorporated companies	638	36,215	124,767,700	39,238,266	167,787,920	495,810,895
Co-operatives	1					
Totals	1,171	38,949	131,006,731	40,069,718	174,489,301	514,118,801
15. Products of petroleum and coal:						
Individual ownership	2	17,486	72,436,559	38,992,273	704,384,995	1,160,824,499
Incorporated companies	102					
Co-operatives	2					
Totals	106	17,486	72,436,559	38,992,273	704,384,995	1,160,824,499
16. Chemicals and allied products:						
Individual ownership	188	541	1,228,056	99,850	2,417,193	4,849,274
Partnerships	50	238	584,881	45,051	1,099,848	2,264,944
Incorporated companies	885	50,900	182,794,301	32,888,130	474,008,427	1,033,979,764
Co-operatives	3	177	660,705	52,539	2,578,722	2,985,018
Totals	1,126	51,856	185,267,943	33,085,570	480,104,190	1,044,079,000
17. Miscellaneous manufacturing industries:						
Individual ownership	543	2,415	5,722,548	294,225	6,180,926	15,839,714
Partnerships	186	1,278	2,995,809	131,280	3,485,782	8,499,286
Incorporated companies	792	27,766	80,416,349	3,238,975	104,689,481	258,559,852
Co-operatives	3	52	104,924	1,300	92,164	249,014
Totals	1,524	31,511	89,239,630	3,665,780	114,448,353	283,147,866

1. Consists of industry "Publishing (only) of Periodicals".

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1955, from the standpoint of gross value of pro-

duction, is compared with their respective ranks in significant years since 1922.

Industry	Rank in						
	1955	1949	1944	1939	1933	1929	1922
Pulp and paper	1	1	5	2	1	1	2
Non-ferrous metal smelting and refining	2	3	2	1	2	9	1
Petroleum products	3	5	14	6	6	10	9
Motor vehicles	4	4	7	5	11	4	6
Slaughtering and meat packing	5	2	1	3	3	2	3
Sawmills	6	6	11	8	14	5	4
Primary iron and steel	7	8	13	11	31	16	20
Butter and cheese	8	7	10	4	5	6	5
Aircraft and parts	9	1	4	1	1	1	1
Miscellaneous electrical apparatus and supplies	10	19	2	2	2	2	2

1. Did not rank among the forty leading industries that year.

2. This industry was not classified separately but was included with electrical apparatus and supplies.

A prominent feature of Canadian Manufacturing development during the past twenty-five years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base-metal resources of the country, has taken its place among the leading manufactures, along with the industries based upon forest, agricultural and live-stock resources. Another feature of this development in manufacturing production is the rise of the petroleum products industry from fourteenth place in 1944 to third place in 1954 and 1955. This is the direct result of the recent discoveries and development of the large oil resources of the Prairie Provinces and the rapid industrialization of Canada during the past decade.

The incidence of the depression resulted in a re-arrangement of the ranking of many industries which in some cases has proved to be temporary. During the war, the industries engaged in producing the equipment needed by the armed forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. When the war ended, the industries engaged in the production of consumer goods, by reason of the expanded demand for their products, bettered their position. Pulp and paper, after a lapse of a number of years, resumed its premier position.

The impetus given to Canadian manufacturing production by the Korean war is reflected in the advance of the aircraft

industry to ninth position. This industry which did not rank among the forty leading industries before World War II was in fourth place in 1944 and sixteenth place in 1952. The shipbuilding industry also bettered its position as a result of the defence program occasioned by the Korean war. This industry which did not rank among the forty leading industries in 1949 advanced to thirty-fourth place in 1952 and 1954. With the slackening in defence spending, operations declined with the result that in 1955 this industry, again, did not rank among the forty leading industries.

The recovery in 1955 from the minor recession experienced in 1954 resulted in some major changes in the ranking of the ten leading industries. Volume output of the durable goods industries advanced by 9.1 p.c. as compared with 6.1 p.c. for non-durable goods. This accounts for the advance of motor vehicles from fifth to fourth place, primary iron and steel from eighth to seventh place, and miscellaneous electrical apparatus and supplies from thirteenth to tenth place. Pulp and paper retained its premier position, while non-ferrous metal smelting and refining, petroleum products, sawmills and aircraft ranked the same in 1955 as they did in 1954. Slaughtering and meat packing dropped from fourth to fifth place and butter and cheese from seventh to eighth place.

TABLE 20. Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Selling Value of Factory Shipments, 1955

No.	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Pulp and paper	125	62,205	265,298,119	546,079,192	689,818,173	1,326,938,138
2	Non-ferrous metal smelting and refining	24	28,606	118,189,378	710,762,890	443,805,081	1,211,716,481
3	Petroleum products	61	13,340	57,892,387	642,872,134	373,368,531	1,048,834,455
4	Motor vehicles	15	33,429	134,661,758	631,181,084	269,601,907	907,410,923
5	Slaughtering and meat packing	153	23,655	83,006,946	627,479,460	178,578,637	809,467,773
6	Sawmills	7,333	58,586	152,556,819	338,870,204	296,940,188	644,482,990
7	Primary iron and steel	50	32,507	136,879,403	212,288,266	291,793,126	526,318,453
8	Butter and cheese	1,423	20,444	56,670,536	315,926,042	103,069,896	427,092,300
9	Aircraft and parts	52	33,036	130,269,009	140,831,164	208,800,111	354,314,837
10	Miscellaneous electrical apparatus and supplies	157	23,292	82,125,157	158,683,158	159,116,892	325,061,144
11	Rubber goods, including footwear	82	21,913	73,774,770	137,074,770	187,029,017	322,412,379
12	Miscellaneous food preparations	304	9,426	27,861,731	209,020,810	89,950,469	303,751,181
13	Bread and other bakery products	2,613	34,418	87,760,004	133,299,250	146,133,537	289,019,294
14	Motor vehicle parts	188	19,996	74,581,239	149,004,157	130,778,716	285,070,612
15	Printing and publishing	789	29,855	107,844,086	75,020,033	197,778,684	275,159,495
16	Telecommunication equipment	126	19,036	61,741,290	155,719,565	112,579,145	263,420,279
17	Furniture	1,822	30,623	84,242,386	125,400,624	132,521,922	261,551,101
18	Sheet metal products	361	19,080	66,662,817	138,211,294	121,016,972	260,167,480
19	Machinery, industrial	321	23,838	86,529,705	102,665,897	146,908,572	252,944,378
20	Clothing, men's, factory	570	31,445	68,809,295	137,857,666	113,367,324	250,462,315
21	Railway rolling stock	32	25,400	86,257,623	139,475,062	102,324,180	245,739,330
22	Sash, door and planing mills	1,837	20,239	52,185,678	148,364,225	86,268,605	238,281,804
23	Fruit and vegetable preparations	459	17,151	38,939,576	143,958,545	97,208,879	234,075,325
24	Cotton yarn and cloth	50	21,537	56,411,050	149,561,429	77,291,220	229,684,041
25	Clothing, women's, factory	750	26,925	61,455,380	121,858,177	103,911,069	226,347,078
26	Flour mills	77	4,853	15,478,817	185,004,008	35,538,808	221,894,538
27	Miscellaneous chemical products, n.e.s.	261	12,698	43,943,157	112,736,255	98,659,281	218,032,459
28	Brass and copper products	157	8,864	32,274,041	150,395,034	64,086,451	216,500,901
29	Boxes and bags, paper	208	14,613	43,990,063	129,064,316	83,249,425	213,459,941
30	Breweries	58	8,368	34,387,685	48,677,904	158,370,826	210,571,853
31	Printing and bookbinding	1,813	24,520	76,452,537	71,517,754	127,560,535	200,961,881
32	Machinery, heavy, electrical	70	22,216	81,904,903	75,020,917	120,703,089	198,408,390
33	Feeds, stock and poultry, prepared	769	6,376	16,659,900	147,732,071	38,987,058	189,799,395
34	Castings, iron	201	15,266	55,273,998	84,452,041	97,595,101	182,906,534
35	Acids, alkalies and salts	45	8,597	35,547,851	61,686,514	95,023,999	172,255,750
36	Miscellaneous paper goods, n.e.s.	219	10,384	31,854,836	95,278,910	75,228,134	171,945,691
37	Tobacco, cigars and cigarettes	40	7,470	25,118,846	84,438,955	78,959,320	162,382,718
38	Fish processing	574	14,626	26,320,382	101,921,132	55,304,122	159,888,395
39	Synthetic textiles and silk	48	15,408	46,927,250	69,895,625	86,031,246	159,233,708
40	Bridge and structural steel work	49	11,863	46,557,144	79,731,908	76,453,347	157,712,340
Totals, leading industries		24,291	866,102	2,865,297,746	7,889,018,422	6,148,711,595	14,355,677,180
Totals, all industries		38,182	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811
Percentage of leading industries to all industries		63.6	66.7	69.2	76.3	70.2	73.6

SECTION 4. PRINCIPAL FACTORS IN MANUFACTURING PRODUCTION

The subjects treated under this Section include capital, employment, salaries and wages, size of establishments and power and fuel used in manufacturing.

Subsection 1. Capital and Repair Expenditures

Prior to 1944 the following information on capital investment was collected: Fixed Capital—Land, buildings, fixtures, machinery, tools and other equipment. Working Capital—(1) Inventory value of raw materials, stocks in process, fuel and miscellaneous supplies on hand; (2) Inventory value of finished products; (3) Cash, bills and accounts receivable, prepaid expenses, etc. This was replaced by the collection of statistics on the expenditure on fixed capital and repairs.

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000 and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

Capital expenditures by manufacturers in 1955 totalled \$344,500,000 for construction and \$601,800,000 for machinery

and equipment, while \$513,600,000 went for repairs. Of the total capital expenditures, amounting to \$946,300,000 in 1955, 14.7 p.c. was reported by paper products, 11.5 p.c. by products of petroleum and coal, 11.0 p.c. by foods and beverages, 10.1 p.c. by iron and steel products, 8.9 p.c. by non-ferrous metal products, 5.9 p.c. by chemicals and allied products, 5.7 p.c. by transportation equipment, 5.0 p.c. by non-metallic mineral products, etc.

Of the groups reporting capital expenditures of \$25,000,000 or more in 1955 seven reported increases and four reported decreases. Of the groups reporting increases paper products with \$51,400,000 led the list, followed by non-ferrous metal products with \$30,300,000, chemicals and allied products \$16,500,000, products of petroleum and coal, \$15,400,000, wood products \$10,000,000, iron and steel products \$6,800,000, and non-metallic mineral products \$4,300,000. The largest decline of \$10,900,000 was reported by the transportation equipment group, followed by electrical apparatus and supplies with \$3,400,000 and foods and beverages and textiles each with \$400,000.

Variation in Capital Expenditures 1955 Compared with 1954

Group	1955	1954	Variation
		\$'000,000	
Paper products	138.7	87.3	+ 51.4
Products of petroleum and coal	109.0	93.6	+ 15.4
Foods and beverages	103.9	104.3	- .4
Iron and steel products	95.2	88.4	+ 6.8
Non-ferrous metal products	83.9	53.6	+ 30.3
Chemicals and allied products	56.3	39.8	+ 16.5
Transportation equipment	54.3	65.2	- 10.9
Non-metallic mineral products	47.5	43.2	+ 4.3
Wood products	42.9	32.9	+ 10.0
Electrical apparatus and supplies	28.3	31.7	- 3.4
Textiles	28.1	28.5	- .4
All groups	946.3	822.1	+ 124.2

Capital expenditures in 1955 increased by \$124,200,000. This compared with declines of \$146,900,000 in 1954 and \$3,600,000 in 1953. These declines were preceded by an increase of \$180,000,000 in 1952 and \$290,100,000 in 1951. The following table gives the capital expenditures of the groups in 1955 reporting \$25,000,000 or more, together with the expenditures of these groups in 1954.

Expenditures on capital assets which averaged \$834,000,000 during the past six years reflect the expansion and modernization which the manufacturing industries of Canada have experienced. Although the expansion was at a rapid rate, not all provinces, however, shared in this expansion at an equal rate. Newfoundland had relatively the highest capital expenditures of any province, the percentage of capital expenditures to the

value of factory shipments during the period 1950-54 being 11.0, more than double the Canada average. Alberta with 10.7 was in second place and British Columbia with 7.3 was in third place. Ontario and Saskatchewan equalled the Canada average of 4.9, while Prince Edward Island, Nova Scotia, New Brunswick, Quebec and Manitoba were below this figure.

Some changes in the pattern of capital expenditures was reported in 1955. Alberta with 9.6 p.c. was in first place, displacing Newfoundland from the premier position. In addition to Newfoundland, Alberta and British Columbia, Nova Scotia in 1955 also reported capital expenditures in excess of the Canadian average. Manitoba equalled the Canadian figure, while Prince Edward Island, New Brunswick, Quebec, Ontario and Saskatchewan were below it.

Comparison of Capital Expenditures with Value of Factory Shipments, 1950-1955

Province	Annual average, 1950-54			Annual average, 1955		
	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments
	\$'000,000	\$'000,000	p.c.	\$'000,000	\$'000,000	p.c.
Newfoundland	10.9	98.7	11.0	9.2	115.6	8.0
Prince Edward Island	0.7	22.2	3.2	0.5	23.6	2.1
Nova Scotia	12.0	301.3	4.0	22.1	331.1	6.7
New Brunswick	11.6	289.6	4.0	12.3	294.8	4.2
Quebec	194.2	5,003.5	3.9	264.1	5,922.4	4.5
Ontario	401.2	8,135.9	4.9	411.7	9,617.6	4.3
Manitoba	17.0	553.5	3.1	28.3	588.4	4.8
Saskatchewan	12.5	255.0	4.9	8.9	295.1	3.0
Alberta	53.9	502.1	10.7	61.4	641.1	9.6
British Columbia	97.8	1,342.3	7.3	127.8	1,679.3	7.6
Canada	811.8	16,506.5	4.9	946.3	19,513.9	4.8

TABLE 21. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1955, with Totals for 1944-54

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
1944	61.3	150.1	211.4	60.7	173.5	234.2
1945	75.9	204.2	280.1	63.1	170.6	233.7
1946	132.2	205.0	337.2	56.8	164.3	221.1
1947	184.7	343.2	527.9	62.4	210.7	273.1
1948	184.8	394.2	579.0	78.9	253.9	332.8
1949	156.6	379.2	535.8	66.7	267.2	333.9
1950	135.4	367.1	502.5	67.6	279.0	346.6
1951	267.6	525.0	792.6	85.0	337.0	422.0
1952	343.6	629.0	972.6	95.2	363.5	458.7
1953	324.5	644.5	969.0	94.6	385.5	480.1
1954	287.6	534.5	822.1	97.6	390.9	488.5
Provinces, 1955						
Newfoundland	2.6	6.6	9.2	1.3	5.6	6.9
Prince Edward Island	0.1	0.4	0.5	0.1	0.3	0.4
Nova Scotia	15.1	7.0	22.1	5.6	8.1	13.7
New Brunswick	2.5	9.8	12.3	2.1	8.5	10.6
Quebec	96.3	167.8	264.1	26.1	116.1	142.2
Ontario	121.0	290.7	411.7	43.3	209.4	252.7
Manitoba	12.4	15.9	28.3	4.0	7.5	11.5
Saskatchewan	5.3	3.6	8.9	3.0	1.9	4.9
Alberta	39.6	21.8	61.4	5.4	11.0	16.4
British Columbia	49.6	78.2	127.8	9.7	44.6	54.3
Totals, 1955	344.5	601.8	946.3	100.6	413.0	513.6
Industrial groups, 1955						
Foods and beverages	38.5	65.4	103.9	12.6	43.5	56.1
Tobacco and tobacco products	1.6	2.8	4.4	0.9	1.7	2.6
Rubber products	3.0	12.1	15.1	0.8	6.8	7.6
Leather products	1.5	1.8	2.3	0.6	2.2	2.8
Textile products (except clothing)	7.6	20.5	28.1	3.0	16.6	19.6
Clothing (textile and fur) ¹	1.4	7.9	9.3	1.3	3.9	5.2
Wood products	12.1	30.8	42.9	7.6	29.2	36.8
Paper products	32.9	105.8	138.7	8.9	75.1	84.0
Printing, publishing and allied trades	6.5	17.6	24.1	2.1	4.5	6.6
Iron and steel products	27.0	68.2	95.2	12.7	75.6	88.3
Transportation equipment	20.2	34.1	54.3	10.5	28.1	38.6
Non-ferrous metal products	37.4	46.5	83.9	8.3	43.8	52.1
Electrical apparatus and supplies	8.0	20.3	28.3	2.8	13.3	16.1
Non-metallic mineral products	22.1	25.4	47.5	3.2	27.1	30.3
Products of petroleum and coal	100.4	8.6	109.0	19.2	8.1	27.3
Chemical products	21.6	34.7	56.3	4.9	30.2	35.1
Miscellaneous industries	3.7	7.0	10.7	1.2	3.3	4.5
Capital items charged to operating expense	—	92.3	92.3	—	—	—

1. Includes "Knitting mills".

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-55

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Newfoundland:						
1948	—	—	—	—	—	—
1949	2.3	6.0	8.3	1.5	3.6	5.1
1950	2.0	5.5	7.5	1.0	3.0	4.0
1951	3.4	6.4	9.8	1.2	4.2	5.4
1952	5.4	9.7	15.1	0.9	8.5	9.4
1953	5.2	8.1	13.3	1.6	4.1	5.7
1954	3.5	5.5	9.0	1.9	4.2	6.1
1955	2.6	6.6	9.2	1.3	5.6	6.9
Prince Edward Island:						
1948	0.1	0.3	0.4	0.1	0.2	0.3
1949	0.1	0.2	0.3	0.1	0.1	0.2
1950	0.4	0.5	0.9	0.1	0.2	0.3
1951	0.2	0.2	0.4	0.1	0.2	0.3
1952	0.4	0.6	1.0	0.2	0.2	0.4
1953	0.2	0.7	0.9	0.1	0.2	0.3
1954	—	0.2	0.2	0.1	0.3	0.4
1955	0.1	0.4	0.5	0.1	0.3	0.4

1. Not available.

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-55 - Concluded

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
Nova Scotia:						
1948	5.9	6.5	12.4	5.0	5.8	10.8
1949	3.4	5.5	8.9	2.7	7.5	10.2
1950	1.7	5.9	7.6	4.0	5.1	9.1
1951	1.8	10.6	12.4	5.0	6.4	11.4
1952	6.7	10.2	16.9	7.0	8.1	15.1
1953	4.4	8.9	13.3	7.4	8.4	15.8
1954	2.9	7.0	9.9	6.1	7.2	13.3
1955	15.1	7.0	22.1	5.6	8.1	13.7
New Brunswick :						
1948	4.4	10.7	15.1	1.2	7.1	8.3
1949	2.6	10.0	12.6	1.2	6.5	7.7
1950	1.2	6.3	7.5	1.1	6.4	7.5
1951	4.2	13.3	17.5	1.7	7.8	9.5
1952	3.1	10.6	13.7	1.1	8.5	9.6
1953	2.1	8.8	10.9	1.7	9.0	10.7
1954	2.0	6.5	8.5	1.4	8.4	9.8
1955	2.5	9.8	12.3	2.1	8.5	10.6
Quebec:						
1948	58.1	127.3	185.4	20.5	76.6	97.1
1949	50.4	113.8	164.2	19.1	80.6	99.7
1950	44.0	108.5	152.5	19.2	81.7	100.9
1951	54.7	143.8	198.5	21.3	96.6	117.9
1952	66.0	164.9	230.9	25.5	103.9	129.4
1953	44.9	140.2	185.1	22.0	111.4	133.4
1954	72.4	131.5	203.9	22.9	113.9	136.8
1955	95.3	167.8	264.1	26.1	116.1	142.2
Ontario:						
1948	89.4	200.7	290.1	38.3	123.4	161.7
1949	63.1	177.1	240.2	30.0	127.3	157.3
1950	56.1	161.8	217.9	30.2	140.9	171.1
1951	137.8	257.4	395.2	39.4	170.4	209.8
1952	158.3	318.9	477.2	43.6	179.5	223.1
1953	169.3	330.1	499.4	43.5	200.2	243.7
1954	124.3	292.0	416.3	46.0	196.9	242.9
1955	121.0	290.7	411.7	43.3	209.4	252.7
Manitoba:						
1948	2.6	8.3	10.9	2.2	6.1	8.3
1949	3.6	9.9	13.5	2.3	6.5	8.8
1950	5.7	10.9	16.6	2.1	6.6	8.7
1951	7.9	9.7	17.6	2.5	7.5	10.0
1952	3.1	8.7	11.8	3.4	9.4	12.8
1953	2.8	9.0	11.8	3.2	9.1	12.3
1954	15.1	11.9	27.0	3.7	8.2	11.9
1955	12.4	15.9	28.3	4.0	7.5	11.5
Saskatchewan:						
1948	2.0	3.3	5.3	1.0	1.5	2.5
1949	3.5	7.0	10.5	0.6	2.4	3.0
1950	2.3	6.2	8.5	0.5	2.6	3.1
1951	3.7	9.5	13.2	1.2	2.4	3.6
1952	3.5	6.2	9.7	1.4	2.8	4.2
1953	13.2	4.6	17.8	1.9	2.9	4.8
1954	9.8	3.5	13.3	2.6	2.3	4.9
1955	5.3	3.6	8.9	3.0	1.9	4.9
Alberta:						
1948	9.6	6.7	16.3	2.0	4.8	6.8
1949	4.4	8.5	12.9	1.6	6.1	7.7
1950	3.2	13.4	16.6	1.7	6.1	7.8
1951	12.7	23.9	36.6	2.7	5.8	8.5
1952	43.4	31.8	75.2	4.1	7.1	11.2
1953	27.2	64.3	91.5	3.9	8.7	12.6
1954	22.3	27.3	49.6	4.2	10.2	14.4
1955	39.6	21.8	61.4	5.4	11.0	16.4
British Columbia:						
1948	12.7	30.4	43.1	8.6	28.4	37.0
1949	23.2	41.2	64.4	7.6	26.6	34.2
1950	18.8	48.1	66.9	7.7	26.4	34.1
1951	41.2	50.2	91.4	9.9	35.7	45.6
1952	53.7	67.4	121.1	8.0	35.5	43.5
1953	55.2	69.8	125.0	9.3	31.5	40.8
1954	35.3	49.1	84.4	8.7	39.3	48.0
1955	49.6	78.2	127.8	9.7	44.6	54.3

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-55

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Foods and beverages:						
1944	10.7	11.4	22.1	8.5	21.2	29.7
1946	24.7	28.4	53.1	12.3	20.5	32.8
1948	31.9	56.5	88.4	13.2	28.6	41.8
1949	27.7	60.8	88.5	10.4	30.7	41.1
1950	26.0	49.2	75.2	10.0	31.6	41.6
1951	28.0	51.0	79.1	11.8	34.3	46.1
1952	26.6	50.7	77.3	12.5	36.0	48.5
1953	26.0	59.0	85.0	12.8	40.1	52.9
1954	38.6	65.7	104.3	13.2	41.2	54.4
1955	38.5	65.4	103.9	12.6	43.5	56.1
Tobacco and tobacco products:						
1944	—	—	—	—	—	—
1946	1.2	0.9	2.1	0.5	0.6	1.1
1948	0.8	1.9	2.7	0.5	1.3	1.8
1949	0.3	2.0	2.3	0.4	1.3	1.7
1950	1.0	1.6	2.6	0.4	1.3	1.7
1951	0.5	1.7	2.2	0.4	1.3	1.7
1952	0.5	1.8	2.3	0.5	1.3	1.8
1953	1.0	2.2	3.2	0.6	1.5	2.1
1954	0.6	2.5	3.1	0.7	1.7	2.4
1955	1.6	2.8	4.4	0.9	1.7	2.6
Rubber products (including footwear):						
1944	—	—	—	—	—	—
1946	3.9	3.6	7.5	1.1	3.7	4.8
1948	1.5	4.5	6.0	0.9	4.6	5.5
1949	1.7	5.6	7.3	0.6	4.4	5.0
1950	0.6	4.1	4.7	0.7	4.6	5.3
1951	2.0	5.9	7.9	0.9	5.5	6.4
1952	2.7	7.3	10.0	0.9	6.0	6.9
1953	4.1	11.1	15.2	1.3	6.1	7.4
1954	4.6	11.1	15.7	1.0	5.9	6.9
1955	3.0	12.1	15.1	0.8	6.8	7.6
Leather products:						
1944	—	—	—	—	—	—
1946	1.6	1.6	3.2	1.1	2.4	3.5
1948	1.2	2.2	3.4	1.0	2.6	3.6
1949	0.6	2.5	3.1	0.7	2.2	2.9
1950	0.7	1.8	2.5	0.6	2.1	2.7
1951	0.9	1.9	2.8	0.6	2.1	2.7
1952	0.6	1.7	2.3	0.6	2.0	2.6
1953	0.9	2.2	3.1	0.7	2.3	3.0
1954	0.5	1.8	2.3	0.6	2.0	2.6
1955	0.5	1.8	2.3	0.6	2.2	2.8
Textile products (except clothing):						
1944	1.8	4.9	6.7	2.8	7.6	10.4
1946	8.4	16.2	24.6	3.3	10.2	13.5
1948	6.5	29.1	35.6	3.9	14.2	18.1
1949	7.0	29.9	36.9	3.6	14.9	18.5
1950	6.6	20.8	27.4	3.5	15.9	19.4
1951	9.9	29.2	39.1	4.0	16.7	20.7
1952	7.0	24.5	31.5	3.8	15.6	19.4
1953	7.9	20.0	27.9	2.8	16.6	19.4
1954	7.5	21.0	28.5	2.7	14.3	17.0
1955	7.6	20.5	28.1	3.0	16.6	19.6
Clothing (textile and fur)*:						
1944	2.8	1.1	3.9	3.8	3.3	7.1
1946	2.6	5.8	8.4	2.2	3.8	6.0
1948	2.1	10.2	12.3	2.2	4.8	7.0
1949	3.0	12.7	15.7	1.9	4.9	6.8
1950	2.5	9.4	11.9	1.4	4.6	6.0
1951	4.1	9.1	13.2	1.4	4.7	6.1
1952	1.6	11.1	12.7	1.3	4.4	5.7
1953	3.8	10.6	14.4	1.5	4.5	6.0
1954	2.2	7.6	9.8	1.3	4.0	5.3
1955	1.4	7.9	9.3	1.3	3.9	5.2

1. Figures not compiled separately; they are, however, included in the total. See Table 21, p. 50.
 * Includes "Knitting mills".

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-55 - Continued

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Wood products:						
1944	2.9	2.4	5.3	4.6	13.5	18.1
1946	10.9	9.5	20.4	5.7	12.2	17.9
1948	7.9	18.5	26.4	7.1	18.9	26.0
1949	7.5	22.9	30.4	5.7	18.2	23.9
1950	8.1	21.3	29.4	5.4	19.4	24.8
1951	11.2	27.4	38.6	7.7	24.5	32.2
1952	9.3	22.5	31.8	6.1	23.5	29.6
1953	10.4	24.2	34.6	7.8	22.3	30.1
1954	8.4	24.5	32.9	6.5	24.1	30.6
1955	12.1	30.8	42.9	7.6	29.2	36.8
Paper products:						
1944	8.0	6.7	14.7	1.9	32.3	34.2
1946	27.2	27.8	55.0	5.3	28.4	33.7
1948	29.1	60.4	89.5	7.0	47.3	54.3
1949	26.8	65.2	92.0	8.7	51.1	59.8
1950	21.1	57.4	78.5	8.0	51.7	59.7
1951	41.7	83.2	124.9	9.7	69.0	78.7
1952	33.6	95.9	129.5	8.3	72.9	81.2
1953	22.5	81.6	104.1	7.0	69.7	76.7
1954	21.6	65.7	87.3	8.2	75.1	83.3
1955	32.9	105.8	138.7	8.9	75.1	84.0
Printing, publishing and allied trades:						
1944	0.2	2.2	2.4	0.6	3.9	4.5
1946	2.9	4.4	7.3	1.3	2.4	3.7
1948	7.0	12.4	19.4	1.6	3.9	5.5
1949	6.3	16.4	22.7	1.4	3.9	5.3
1950	5.0	14.4	19.4	1.7	4.1	5.8
1951	6.3	18.0	24.3	1.7	4.6	6.3
1952	3.3	11.0	14.3	1.5	4.1	5.6
1953	3.8	12.6	16.4	2.0	4.4	6.4
1954	11.7	19.7	31.4	2.4	4.9	7.3
1955	6.5	17.6	24.1	2.1	4.5	6.6
Iron and steel products:						
1944	10.1	22.2	32.3	6.5	26.2	32.7
1946	14.9	22.0	36.9	8.4	22.8	31.2
1948	19.6	36.7	56.3	12.0	38.4	50.4
1949	14.6	44.9	59.5	12.4	38.9	51.3
1950	13.5	30.7	44.2	12.7	41.7	54.4
1951	47.1	50.1	97.2	13.0	58.9	71.9
1952	46.2	89.7	135.9	16.1	64.8	80.9
1953	35.5	78.5	114.0	15.6	70.8	86.4
1954	22.0	66.4	88.4	12.6	64.0	76.6
1955	27.0	68.2	95.2	12.7	75.6	88.3
Transportation equipment:						
1944	1.6	4.7	6.3	11.0	20.8	31.8
1946	5.4	10.3	15.7	3.7	14.4	18.1
1948	5.4	10.0	15.4	5.3	16.8	22.1
1949	6.7	18.2	24.9	5.3	20.2	25.5
1950	9.9	17.4	27.3	5.7	20.0	25.7
1951	21.8	27.1	48.9	6.9	21.5	28.4
1952	37.1	25.0	62.1	11.6	31.1	42.7
1953	46.9	50.5	97.4	11.9	33.0	44.9
1954	20.9	44.3	65.2	10.9	30.0	40.9
1955	20.2	34.1	54.3	10.5	28.1	38.6
Non-ferrous metal products:						
1944	6.4	2.4	8.8	5.0	15.3	20.3
1946	2.3	5.3	7.6	3.1	12.2	15.3
1948	8.9	16.8	25.7	7.8	25.9	33.7
1949	10.4	22.0	32.4	4.4	22.3	26.7
1950	8.9	13.5	22.4	4.0	24.6	28.6
1951	22.4	26.0	48.4	6.9	30.3	37.2
1952	35.1	35.6	70.7	8.5	34.2	42.7
1953	37.6	41.7	79.3	8.7	36.1	44.8
1954	20.3	33.3	53.6	8.7	40.1	48.8
1955	37.4	46.5	83.9	8.3	43.8	52.1

1. Figures not compiled separately; they are, however, included in the total.

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-55 — Concluded

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Electrical apparatus and supplies:						
1944 ¹	—	—	—	—	—	—
1946	3.0	8.7	11.7	1.2	5.0	6.2
1948	4.8	11.9	16.7	2.2	8.7	10.9
1949	4.8	14.1	18.9	2.0	9.4	11.4
1950	3.1	10.6	13.7	2.0	10.5	12.5
1951	16.3	15.6	31.9	2.2	11.4	13.6
1952	21.8	18.6	40.4	2.8	11.7	14.5
1953	15.8	20.2	36.0	2.7	14.2	16.9
1954	11.7	20.0	31.7	3.1	13.6	16.7
1955	8.0	20.3	28.3	2.8	13.3	16.1
Non-metallic mineral products:						
1944	1.4	1.2	2.6	0.8	6.5	7.3
1946	3.5	4.2	7.7	1.4	8.4	9.8
1948	11.1	17.0	28.1	2.3	13.3	15.6
1949	6.9	15.2	22.1	1.5	14.3	15.8
1950	4.4	12.0	16.4	1.6	15.7	17.3
1951	11.5	18.9	30.4	4.7	15.6	20.3
1952	11.2	23.1	34.3	3.9	16.6	20.5
1953	11.0	21.3	32.3	2.2	22.1	24.3
1954	19.6	23.6	43.2	2.8	23.8	26.6
1955	22.1	25.4	47.5	3.2	27.1	30.3
Products of petroleum and coal:						
1944 ¹	—	—	—	—	—	—
1946	5.2	4.6	9.8	2.4	5.2	7.6
1948	29.3	13.4	42.7	6.6	6.3	12.9
1949	18.1	11.6	29.7	3.0	11.0	14.0
1950	14.3	18.5	32.8	4.8	9.7	14.5
1951	21.7	37.3	59.0	8.3	8.8	17.1
1952	41.1	36.4	77.5	11.2	9.5	20.7
1953	61.6	19.9	81.5	11.8	12.0	23.8
1954	79.6	14.0	93.6	15.7	11.5	27.2
1955	100.4	8.6	109.0	19.2	8.1	27.3
Chemical products:						
1944	1.4	1.6	3.0	3.7	8.1	11.8
1946	11.6	8.0	19.6	2.9	10.3	13.2
1948	15.0	26.9	41.9	4.3	15.8	20.1
1949	11.9	30.9	42.8	3.9	17.3	21.2
1950	7.3	19.0	26.3	4.3	19.1	23.4
1951	19.2	38.5	57.7	4.0	24.8	28.8
1952	61.2	79.8	141.0	4.5	26.6	31.1
1953	32.0	90.3	122.3	4.3	26.5	30.8
1954	15.1	24.7	39.8	6.2	31.4	37.6
1955	21.6	34.7	56.3	4.9	30.2	35.1
Miscellaneous industries:						
1944	1.3	81.4 ²	82.7 ²	1.0	1.9	2.9
1946	2.9	43.7 ²	46.6 ²	0.9	1.8	2.7
1948	2.7	65.8 ²	68.5 ²	1.0	2.5	3.5
1949	2.3	4.3	6.6	0.8	2.2	3.0
1950	2.4	3.6	6.0	0.8	2.4	3.2
1951	3.0	4.4	7.4	0.8	3.0	3.8
1952	4.7	4.1	8.8	1.1	3.2	4.3
1953	3.7	5.0	8.7	0.9	3.3	4.2
1954	2.7	4.5	7.2	1.0	3.3	4.3
1955	3.7	7.0	10.7	1.2	3.3	4.5

1. Figures not compiled separately; they are, however, included in the total. See Table 21, p. 50.

2. Includes allowance for capital items charged to operating expense.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-55
(Industries Ranked According to the Value of Factory Shipments in 1953)

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
1. Pulp and paper:						
1948	25.7	53.6	79.3	6.2	43.6	49.8
1949	24.2	47.6	71.8	7.2	45.8	53.0
1950	17.9	50.7	68.6	7.0	46.5	53.5
1951	35.0	73.9	108.9	8.6	62.6	71.2
1952	29.0	86.6	115.6	7.3	66.5	73.8
1953	18.5	73.4	91.9	6.2	63.5	69.7
1954	13.8	55.2	69.0	7.3	68.5	75.8
1955	13.5	57.5	71.0	5.3	52.5	57.8

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-55 - Continued

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
2. Non-ferrous metal smelting and refining:						
1948	7.5	9.8	17.3	7.1	18.6	25.7
1949	7.0	7.4	14.4	0.7	15.5	16.2
1950	6.7	9.4	16.1	2.8	19.7	22.5
1951	20.6	19.8	40.4	5.3	24.0	29.3
1952	32.6	29.7	62.3	7.0	26.9	33.9
1953	33.4	33.7	67.1	7.7	29.4	37.1
1954	19.5	27.7	47.2	7.3	33.3	40.6
1955	34.3	40.5	74.8	6.9	36.3	43.2
3. Motor vehicles:						
1948	2.0	4.3	6.3	1.8	5.3	7.1
1949	1.1	4.7	5.8	1.4	5.1	6.5
1950	3.1	7.7	10.8	1.7	6.1	7.8
1951	7.4	10.3	17.7	1.8	6.5	8.3
1952	20.9	11.1	32.0	2.3	7.3	9.6
1953	27.0	27.1	54.1	3.0	9.4	12.4
1954	11.1	14.7	25.8	2.6	9.7	12.3
1955	13.0	17.0	30.0	2.6	10.4	13.0
4. Slaughtering and meat packing:						
1948	2.2	3.8	6.0	3.4	3.7	7.1
1949	1.5	3.9	5.4	1.6	5.4	7.0
1950	2.2	3.2	5.4	1.5	5.5	7.0
1951	2.3	3.5	5.8	2.2	5.3	7.5
1952	3.1	4.7	7.8	2.4	5.8	8.2
1953	2.1	6.9	9.0	2.6	7.7	10.3
1954	4.0	5.8	9.8	2.5	7.6	10.1
1955	2.6	4.0	6.6	2.1	6.9	9.0
5. Petroleum products:						
1948 ¹	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950	9.6	14.5	24.1	3.3	7.1	10.4
1951	18.9	30.2	49.1	7.4	5.5	12.9
1952	32.1	28.0	60.1	9.6	6.1	15.7
1953	56.8	9.0	65.8	10.5	7.9	18.4
1954	75.1	7.5	82.6	14.7	7.7	22.4
1955	94.2	4.8	99.0	18.1	4.2	22.3
6. Sawmills:						
1948	5.0	11.6	16.6	4.7	13.3	18.0
1949	4.3	12.2	16.5	3.3	12.9	16.2
1950	5.4	15.3	20.7	3.5	14.0	17.5
1951	6.4	17.4	23.8	5.1	18.0	23.1
1952	5.5	12.9	18.4	3.6	16.1	19.7
1953	4.0	12.5	16.5	5.1	16.0	21.1
1954	4.2	14.7	18.9	4.0	17.4	21.4
1955	4.9	19.3	24.2	4.9	19.8	24.7
7. Primary iron and steel:						
1948	7.3	12.0	19.3	5.1	16.3	21.4
1949	2.4	9.2	11.6	5.4	15.4	20.8
1950	1.7	5.2	6.9	5.9	18.0	23.9
1951	28.9	21.4	50.3	5.5	27.8	33.3
1952	20.5	52.4	72.9	6.3	31.4	37.7
1953	11.9	38.0	49.9	7.2	38.6	45.8
1954	6.2	27.3	33.5	5.2	31.6	36.8
1955	6.6	27.9	34.5	5.2	43.0	48.2
8. Aircraft and parts:						
1948	0.1	0.2	0.3	0.3	0.6	0.9
1949	0.9	0.5	1.4	0.5	1.0	1.5
1950	1.9	0.8	2.7	0.7	0.9	1.6
1951	4.7	1.4	6.1	0.9	1.0	1.9
1952	6.3	2.1	8.4	1.3	1.7	3.0
1953	8.3	3.5	11.8	0.9	3.9	4.8
1954	4.0	4.4	8.4	1.2	3.0	4.2
1955	3.4	7.2	10.6	1.6	2.4	4.0
9. Butter and cheese:						
1948	2.8	8.1	10.9	1.5	4.0	5.5
1949	1.7	7.8	9.5	1.3	4.0	5.3
1950	1.5	7.1	8.6	1.2	4.4	5.6
1951	1.7	6.8	8.5	1.3	4.2	5.5
1952	2.4	7.1	9.5	1.8	4.4	6.2
1953	2.4	8.4	10.8	1.5	4.4	5.9
1954	2.3	9.6	11.9	1.7	4.9	6.6
1955	2.5	10.4	12.9	1.4	5.1	6.5

1. Not available.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-55 - Continued

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
10. Railway rolling stock:						
1948	2.4	2.3	4.7	1.6	6.2	7.8
1949	1.9	4.0	5.9	1.7	6.7	8.4
1950	1.3	2.8	4.1	1.6	5.3	6.9
1951	2.1	2.4	4.5	1.9	5.1	7.0
1952	5.7	4.0	9.7	8.1	11.3	19.4
1953	3.4	5.9	9.3	4.6	9.1	13.7
1954	1.8	4.6	6.4	4.0	8.0	12.0
1955	1.7	2.3	4.0	3.7	6.2	9.9
11. Motor vehicle parts:						
1948	1.1	2.6	3.7	0.7	3.5	4.2
1949	1.7	3.9	5.6	0.8	4.1	4.9
1950	2.5	5.5	8.0	0.7	4.9	5.6
1951	6.8	10.7	17.5	1.1	5.9	7.0
1952	5.2	5.7	10.9	1.4	6.1	7.5
1953	6.2	11.6	17.8	1.2	7.2	8.4
1954	2.3	18.1	20.4	0.9	5.8	6.7
1955	1.1	5.3	6.4	0.8	5.8	6.6
12. Rubber goods, including footwear:						
1948	1.5	5.7	7.2	0.9	4.6	5.5
1949	1.7	4.6	6.3	0.6	4.4	5.0
1950	0.6	4.1	4.7	0.7	4.6	5.3
1951	2.0	5.9	7.9	0.9	5.5	6.4
1952	2.7	7.3	10.0	0.9	6.0	6.9
1953	4.1	11.1	15.2	1.3	6.0	7.3
1954	4.6	11.1	15.7	1.0	5.9	6.9
1955	3.0	12.1	15.1	0.8	6.8	7.6
13. Miscellaneous food preparations:						
1948	0.7	2.1	2.8	0.4	0.6	1.0
1949	6.0	6.1	12.1	0.6	1.2	1.8
1950	0.6	2.2	2.8	0.4	0.8	1.2
1951	2.8	3.4	6.2	0.7	2.2	2.9
1952	1.9	2.2	4.1	0.4	0.9	1.3
1953	1.0	4.4	5.4	0.6	2.6	3.2
1954	2.2	5.0	7.2	0.7	2.8	3.5
1955	1.0	4.6	5.6	0.7	2.8	3.5
14. Bread and other bakery products:						
1948	2.7	7.2	9.9	1.1	2.7	3.8
1949	1.5	6.2	7.7	1.1	2.9	4.0
1950	2.8	7.9	10.7	1.0	3.5	4.5
1951	2.5	8.4	10.9	1.1	4.1	5.2
1952	3.9	9.6	13.5	1.3	3.7	5.0
1953	2.6	9.2	11.8	1.3	5.1	6.4
1954	2.9	8.1	11.0	1.2	4.7	5.9
1955	2.0	9.2	11.2	1.3	4.2	5.5
15. Clothing, men's, factory:						
1948	0.6	2.0	2.6	0.5	0.9	1.4
1949	0.7	1.6	2.3	0.5	0.9	1.4
1950	0.3	1.4	1.7	0.4	0.9	1.3
1951	0.5	1.6	2.1	0.3	1.0	1.3
1952	0.3	1.6	1.9	0.4	0.9	1.3
1953	1.3	1.8	3.1	0.5	0.9	1.4
1954	1.4	1.3	2.7	0.6	0.7	1.3
1955	1.0	1.4	2.4	0.3	0.6	0.9
16. Flour mills:						
1948	1.7	4.3	6.0	0.5	2.2	2.7
1949	2.9	3.7	6.6	0.2	1.4	1.6
1950	0.7	2.3	3.0	0.2	1.5	1.7
1951	0.4	1.5	1.9	0.4	1.5	1.9
1952	0.5	1.7	2.2	0.2	1.6	1.8
1953	0.2	1.0	1.2	0.2	1.6	2.1
1954	0.5	2.0	2.5	0.3	1.3	1.6
1955	0.5	2.1	2.6	0.5	1.2	1.7
17. Miscellaneous electrical apparatus and supplies:						
1948	—	—	—	—	—	—
1949	—	—	—	—	—	—
1950	—	—	—	—	—	—
1951	0.7	3.4	4.1	0.7	4.1	4.8
1952	3.6	4.9	8.5	0.8	4.0	4.8
1953	6.7	5.5	12.2	1.1	5.0	6.1
1954	2.7	6.8	9.5	0.9	5.7	6.6
1955	3.0	6.8	9.8	1.0	5.6	6.6
	3.2	8.5	11.7	1.2	6.0	7.2

1. Not available.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-55 - Concluded

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
18. Machinery, heavy electrical:						
1948	—	—	—	—	—	—
1949	—	—	—	—	—	—
1950	1.1	3.8	4.9	0.5	4.0	4.5
1951	3.5	5.0	8.5	0.6	7.0	7.6
1952	10.8	6.9	17.7	1.0	4.2	5.2
1953	8.1	8.1	14.2	1.0	5.5	6.5
1954	3.0	6.4	9.4	1.2	4.8	6.0
1955	1.9	5.1	7.0	0.8	4.3	5.1
19. Printing and publishing:						
1948	4.2	4.8	9.0	0.8	1.9	2.7
1949	2.5	5.7	8.2	0.7	1.7	2.4
1950	2.9	5.7	8.6	0.6	1.7	2.3
1951	3.5	9.3	12.8	0.8	1.9	2.7
1952	2.5	5.5	8.0	0.8	1.9	2.7
1953	2.5	5.9	8.4	1.0	2.1	3.1
1954	6.1	9.7	15.8	1.0	2.1	3.1
1955	2.7	8.2	10.9	1.1	2.1	3.2
20. Furniture:						
1948	1.0	2.6	3.6	0.8	1.5	2.3
1949	0.7	2.1	2.8	0.8	1.7	2.5
1950	0.9	2.1	3.0	0.9	1.6	2.5
1951	1.2	2.4	3.6	0.9	1.8	2.7
1952	0.9	2.4	3.3	0.8	1.8	2.6
1953	2.2	3.8	6.0	1.1	2.0	3.1
1954	1.7	3.1	4.8	1.3	2.1	3.4
1955	3.3	3.7	7.0	1.0	2.1	3.1
21. Machinery, industrial:						
1948	3.1	6.3	9.4	1.4	3.4	4.8
1949	4.0	7.5	11.5	1.6	3.3	4.9
1950	1.3	3.6	4.9	0.8	2.2	3.0
1951	2.7	4.2	6.9	0.9	3.1	4.0
1952	7.0	8.4	15.4	1.1	3.3	4.4
1953	5.0	7.3	12.3	1.1	3.3	4.4
1954	2.5	7.6	10.1	1.1	3.4	4.5
1955	3.5	6.5	10.0	1.2	3.7	4.9
22. Sheet metal products:						
1948	1.2	2.6	3.8	1.0	2.4	3.4
1949	1.5	2.6	4.1	1.0	2.5	3.5
1950	1.5	2.9	4.4	1.2	2.1	3.3
1951	3.5	3.9	7.4	1.0	3.1	4.1
1952	1.6	3.2	4.8	0.9	3.0	3.9
1953	2.2	4.2	6.4	0.8	3.1	3.9
1954	1.9	4.6	6.5	0.8	3.4	4.2
1955	1.5	5.8	7.3	0.8	3.7	4.5
23. Clothing, women's, factory:						
1948	0.6	1.7	2.3	0.3	0.9	1.2
1949	0.7	1.8	2.5	0.2	0.8	1.0
1950	0.1	1.1	1.2	0.1	0.6	0.7
1951	0.7	0.9	1.6	0.1	0.6	0.7
1952	0.5	1.2	1.7	0.1	0.6	0.7
1953	—	1.3	1.3	0.1	0.5	0.6
1954	0.1	1.0	1.1	0.1	0.6	0.7
1955	0.1	1.2	1.3	0.2	0.6	0.8
24. Cotton yarn and cloth:						
1948	1.9	8.9	10.8	1.4	4.5	5.9
1949	1.8	7.1	8.9	1.7	4.2	5.9
1950	2.0	8.1	10.1	1.5	4.9	6.4
1951	2.9	9.1	12.0	1.6	5.6	7.0
1952	1.9	6.6	8.5	1.7	5.6	7.3
1953	0.9	3.3	4.2	1.2	4.8	6.8
1954	0.4	1.6	2.0	1.0	4.8	5.8
1955	1.5	4.9	6.4	1.0	5.3	6.3
25. Fruit and vegetable preparations:						
1948	1.6	3.8	5.4	0.8	3.0	3.8
1949	0.8	2.2	3.0	0.5	2.3	2.8
1950	0.9	1.6	2.5	0.6	2.3	2.9
1951	1.4	2.9	4.3	0.9	3.2	4.1
1952	1.0	2.8	3.8	1.0	3.2	4.2
1953	0.6	2.7	3.3	0.8	3.4	4.2
1954	1.4	4.0	5.4	0.9	3.9	4.8
1955	2.9	4.5	7.4	0.9	4.0	4.9

Subsection 2. Value of Manufacturing Inventory

As explained in the section on Capital Employed, the collection of statistics on capital investment by manufacturers was discontinued in 1944. This was replaced by the collection annually of expenditure statistics on fixed capital, repairs and maintenance from all large manufacturers, with estimates being made for the smaller establishments. As a result of this change no information was available on investment in inventory. Before long, however, the need for this information became apparent. Consequently, beginning with 1949, calendar year-end inventory values were collected separately from all manufacturing plants with an annual gross value of production of \$50,000 or over. These values are inflated to a total by estimating for small firms in each industry on the basis of the gross value-inventory ratio of reporting firms.

Commencing with 1954 questions on inventory were put back on the forms used in the annual survey of manufactures. As a result, all establishments with shipments of \$50,000 or more were required to give this information. As in the case of the calendar year-end series, estimates for establishments with shipments of under \$50,000 were made on the same basis. By comparing the two series for 1954 it was found that they differed slightly. This is mainly due to the difference in time of reporting this information. In the first series the figures refer to the end of December while in the second they refer to the company year which in a number of cases might be anywhere from the end of January to the end of June. The figures in the first series are accordingly higher by 3.6 p.c. This is due to the desire of most companies to have as low an inventory as pos-

sible at the end of their financial year. When the financial year is other than the calendar year they could and usually do report a higher figure for December than they do for the end of their financial year which is reported in the second series.

It should be noted that the calendar year-end values as shown in the table below are not strictly comparable with those published in previous general reviews on manufacturing, since the series previously published has been reduced by the entire value of inventories held but not owned, i.e. held under progress payments arrangements. The deduction was made from the goods in process component. In previous reviews an item of total inventory holdings was shown separately, but no attempt was made to assign it to any specific component. While the assumption that all such inventory is part of goods in process is not strictly true, it is nevertheless a fairly good working approximation.

Company year-end inventories in 1955 totalled \$3,409,060,253, of which amount \$1,670,401,235 was raw materials and supplies, \$706,432,040 goods in process and \$1,032,226,978 finished goods. The foods and beverages group with \$538.4 million reported the highest inventory of any group. Iron and steel products with \$529.8 million came second, followed by paper products with \$285.1 million, transportation equipment \$251.4 million, wood products \$243.3 million, chemicals and allied products \$234.6 million, electrical apparatus and supplies \$233.0 million, etc.

TABLE 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-55³
(Million dollars)

Year, Province and Industrial Group	Total inventory	Raw materials and supplies	Goods in process	Finished goods
1949	2,333.0	N.A.	N.A.	N.A.
1950	2,638.0	1,448.0	472.0	718.0
1951	3,390.0	1,781.0	610.0	999.0
1952 ¹	3,350.0	1,817.0	568.0	965.0
1953 ¹	3,519.0	1,830.0	613.0	1,076.0
1954	3,212.2	1,592.5	608.6	1,011.1
Province				
Newfoundland	28.1	21.4	.7	6.0
Prince Edward Island	2.2	.9	.1	1.2
Nova Scotia	52.6	27.2	9.9	15.5
New Brunswick	47.6	33.9	3.6	10.1
Quebec	1,069.6	574.9	213.6	281.1
Ontario	1,735.1	783.9	415.1	536.1
Manitoba	84.9	47.4	9.4	28.1
Saskatchewan	33.7	15.5	2.4	15.8
Alberta	86.7	38.3	10.4	38.0
British Columbia	267.6	126.6	41.2	99.8
Yukon and Northwest Territories .....	.9	.4		.5
Canada, 1955	3,409.0	1,670.4	706.4	1,032.2
Industrial group				
Foods and beverages	538.4	195.2	131.9	211.3
Tobacco and tobacco products	106.3	62.5	3.0	40.8
Rubber products	55.5	21.5	8.5	25.5
Leather products	50.0	23.3	10.2	16.5
Textiles	176.6	68.1	46.3	62.2
Knitting mills	39.5	12.1	11.2	16.2
Clothing	128.9	74.7	15.7	38.5
Wood products	243.3	135.4	31.2	76.7
Paper products	285.1	240.1	9.0	36.0
Printing, publishing and allied industries	43.4	24.8	12.0	6.6
Iron and steel products	529.8	241.9	134.4	153.5
Transportation equipment	251.4	118.4	105.8	27.2
Non-ferrous metal products	193.5	121.0	39.3	33.2
Electrical apparatus and supplies	233.0	79.2	77.3	76.5
Non-metallic mineral products	68.9	38.7	5.2	25.0
Products of petroleum and coal	166.9	54.3	17.7	94.9
Chemicals and allied products	234.6	129.2	33.5	71.9
Miscellaneous industries	63.9	30.0	14.2	19.7

1. Revised.

2. Less than \$50,000.

3. The opening inventory for 1955 differs from the closing inventory of 1954 because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms that did not operate during 1955.

Subsection 3. Employment in Manufacturing Industries

Monthly Record of Employment.— Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest.

After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 production workers were on the payrolls, was surpassed in September, 1937, with 582,305 production workers. After the outbreak of war the improvement in employment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 production workers were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 occurred in June when 1,049,557 production workers were employed. From then on employment declined steadily to the end of 1945 when 819,619 production workers were reported. At the end of 1951 there were 953,952 production workers employed, compared with an employment of 961,820 production workers in December, 1944, and 1,021,630 in December, 1943.

During the first half of 1952 the number of production workers increased each month, but not to the extent of the employment in the same month of the previous year. From the middle of the year monthly employment figures exceeded those of the previous year. This trend continued to October 1953. The trend for the next two months was downward so that by the end of 1953 there were only 990,611 production workers as compared with 1,018,764 at the end of December 1952.

The minor recession experienced in 1954 is reflected in the monthly employment figures, the number employed each month being lower than the corresponding month of the previous year, although there was the usual upturn during the summer months. Employment at the end of December at 932,786 was at the lowest level since 1949 when 906,851 persons were employed. December 1952 with 1,018,764 production workers had the highest year-end figures during this period.

The downward trend of 1954 continued until the end of April 1955. From then on the monthly employment figures were consistently higher than the corresponding months of 1954 so that by the end of December 1955 production workers totalled 993,215 as compared with 932,786 the year before.

TABLE 26. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1922-55

Month	1922	1929	1933	1939	1943	1949	1954	1955
All wage-earners								
January	324,257	502,644	340,027	490,337	1,023,261	928,077	979,801	938,703
February	336,729	519,423	347,777	496,160	1,030,878	932,356	985,063	959,594
March	349,110	536,866	355,888	503,475	1,036,648	937,714	989,350	972,466
April	360,248	555,711	358,759	509,739	1,033,748	944,307	988,374	983,242
May	382,504	574,905	377,659	530,864	983,058	961,137	1,000,313	1,011,154
June	393,935	575,693	392,196	531,245	1,058,645	973,324	1,011,718	1,039,072
July	391,186	573,554	393,464	529,575	1,056,975	964,813	1,008,963	1,039,581
August	389,511	567,022	402,249	543,605	1,067,890	975,114	1,008,332	1,060,932
September	392,423	564,796	410,954	562,355	1,066,595	970,324	1,004,246	1,059,132
October	385,262	553,338	405,757	568,564	1,053,486	951,017	986,369	1,038,202
November	378,992	527,213	396,384	563,117	1,049,738	934,576	961,505	1,025,716
December	367,724	499,893	380,612	544,817	1,021,630	906,851	932,786	993,215
Male								
January	243,682	397,459	257,445	381,997	751,269	716,005	775,348	739,705
February	253,178	410,865	260,728	385,955	755,181	719,374	778,646	757,673
March	263,849	426,713	267,259	391,623	757,702	725,953	782,905	769,111
April	274,821	443,560	271,348	398,982	755,888	732,906	784,744	781,148
May	294,095	459,783	285,705	416,963	764,158	747,614	795,664	804,912
June	304,395	460,294	296,937	417,975	776,003	757,575	804,702	826,239
July	304,020	459,051	300,329	417,987	779,687	750,579	802,063	826,208
August	301,234	449,721	302,969	421,895	777,733	747,518	790,269	829,538
September	298,918	441,510	304,908	431,509	767,043	739,768	781,256	824,267
October	291,973	432,576	301,315	437,220	754,484	725,853	769,127	808,393
November	286,511	412,114	294,945	432,920	753,211	715,138	749,663	800,454
December	277,854	391,903	285,690	422,538	738,073	700,141	736,203	784,843
Female								
January	80,575	105,185	82,582	108,340	271,992	212,072	204,453	198,998
February	83,551	108,558	87,049	110,205	275,687	212,982	206,417	201,921
March	85,261	110,153	88,629	111,852	278,946	211,761	206,445	203,355
April	85,427	112,142	87,411	110,757	277,860	211,401	203,630	202,094
May	88,409	115,122	91,954	113,901	218,900	213,523	204,649	206,242
June	89,540	115,399	95,259	113,270	282,642	215,749	207,016	212,833
July	87,166	114,503	93,135	111,588	277,288	214,234	206,900	213,373
August	88,277	117,301	99,280	121,710	290,157	227,596	218,063	231,394
September	93,505	123,286	106,046	130,846	299,552	230,556	222,990	234,865
October	93,289	120,762	104,442	131,344	209,002	225,164	217,242	229,809
November	92,481	115,099	101,439	130,197	296,527	219,388	211,642	225,262
December	89,870	107,990	94,922	122,279	283,557	206,710	196,583	208,372

TABLE 27. Production Workers Employed in Manufacturing Industries, by Months, Sex and Provinces, 1954 and 1955

Province and month	1954			1955		
	Male	Female	Total	Male	Female	Total
Number						
Newfoundland:						
January	5,851	768	6,619	6,031	941	6,972
February	5,971	728	6,699	5,826	1,016	6,842
March	6,196	747	6,943	6,248	1,003	7,251
April	6,684	759	7,443	6,797	1,034	7,831
May	6,964	793	7,757	7,074	1,251	8,325
June	7,278	1,029	8,307	7,705	1,379	9,084
July	7,627	1,075	8,702	7,909	1,465	9,374
August	7,425	1,098	8,523	7,948	1,527	9,475
September	7,319	1,123	8,442	7,515	1,435	8,950
October	6,854	1,039	7,893	7,411	1,408	8,819
November	6,562	912	7,474	6,827	1,235	8,062
December	6,350	802	7,152	6,243	921	7,164
Prince Edward Island:						
January	591	140	731	638	188	826
February	609	157	766	653	180	833
March	630	140	770	653	115	768
April	864	186	1,050	918	145	1,063
May	1,293	811	2,104	1,335	677	2,012
June	1,276	754	2,030	1,257	612	1,869
July	1,159	656	1,815	1,171	598	1,769
August	1,184	543	1,727	1,214	524	1,738
September	1,062	403	1,465	1,114	439	1,553
October	967	317	1,284	948	324	1,272
November	866	302	1,168	845	274	1,119
December	707	207	914	695	209	904
Nova Scotia:						
January	21,214	2,846	24,060	19,379	2,925	22,304
February	20,926	2,794	23,720	19,679	2,868	22,547
March	20,674	2,656	23,330	20,206	2,871	23,077
April	22,017	2,858	24,875	21,899	3,096	24,995
May	23,174	3,645	26,819	23,226	3,657	26,883
June	23,562	3,568	27,130	23,692	3,781	27,473
July	22,737	3,422	26,159	23,588	3,602	27,190
August	22,152	3,436	25,588	23,179	3,678	26,857
September	21,385	3,405	24,790	22,958	3,643	26,601
October	20,662	3,484	24,146	22,512	3,645	26,157
November	20,177	3,427	23,604	22,109	3,380	25,489
December	19,115	2,955	22,070	21,526	3,265	24,791
New Brunswick:						
January	14,180	1,960	16,140	14,009	2,013	16,022
February	14,401	2,161	16,562	14,513	1,985	16,498
March	14,516	2,261	16,777	14,761	2,210	16,971
April	15,007	2,413	17,420	15,205	2,368	17,573
May	16,742	3,566	20,308	16,836	3,394	20,230
June	17,996	4,031	22,027	17,470	3,922	21,392
July	18,003	4,012	22,015	17,563	3,444	21,007
August	17,120	3,924	21,044	17,570	4,187	21,757
September	16,410	3,533	19,943	16,837	3,909	20,746
October	15,345	2,841	18,186	16,166	3,347	19,513
November	14,688	2,517	17,205	15,170	2,637	17,807
December	13,519	1,934	15,453	14,579	2,093	16,672
Quebec:						
January	242,233	88,796	331,029	230,878	87,772	318,650
February	243,666	90,458	334,124	234,186	89,577	323,763
March	246,731	91,141	337,872	236,444	89,864	326,308
April	250,032	90,334	340,366	241,416	89,314	330,730
May	254,239	88,805	343,044	250,137	89,859	339,996
June	255,636	87,779	343,415	256,146	90,306	346,452
July	253,032	87,180	340,212	256,689	90,475	347,164
August	251,142	92,050	343,192	258,393	95,638	354,031
September	246,491	93,300	339,791	255,853	97,061	352,914
October	242,497	92,343	334,840	254,892	96,831	351,723
November	238,312	90,455	328,767	251,528	95,733	347,261
December	231,037	86,028	317,065	245,415	91,020	336,435
Ontario:						
January	375,166	91,755	466,921	347,654	86,503	434,157
February	374,659	91,572	466,231	360,856	87,491	448,347
March	372,932	90,542	463,474	366,442	88,278	454,720
April	372,203	88,117	460,320	372,614	86,988	459,602
May	372,505	87,774	460,279	380,132	87,628	467,760
June	373,808	89,239	463,047	388,391	91,756	480,147
July	369,736	87,417	457,153	384,233	90,320	474,553
August	361,877	93,528	455,405	384,751	100,413	485,164
September	361,979	98,414	460,393	385,133	104,269	489,402
October	358,196	95,858	454,054	373,207	101,577	474,784
November	346,964	94,705	441,669	371,941	100,493	472,434
December	345,800	87,313	433,113	367,275	91,373	458,648

TABLE 27. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1954 and 1955 — Concluded

Province and month	1954			1955		
	Male	Female	Total	Male	Female	Total
Number						
Manitoba:						
January	25,708	7,250	32,958	23,660	7,330	30,990
February	25,541	7,314	32,855	23,718	7,353	31,071
March	25,700	7,408	33,108	23,759	7,294	31,053
April	25,477	7,318	32,795	24,019	7,262	31,281
May	25,456	7,074	32,530	24,528	7,175	31,703
June	25,941	7,425	33,366	25,109	7,429	32,538
July	26,238	7,535	33,773	25,765	7,489	33,254
August	26,176	7,612	33,788	26,127	7,778	33,905
September	25,970	7,540	33,510	26,210	7,928	34,138
October	25,296	7,703	32,999	26,352	8,005	34,357
November	24,761	7,065	31,826	26,117	7,664	33,781
December	23,652	6,648	30,300	25,525	7,187	32,712
Saskatchewan:						
January	7,359	883	8,242	7,049	880	7,929
February	7,475	895	8,370	7,162	878	8,040
March	7,521	910	8,431	7,142	877	8,019
April	7,300	965	8,265	7,091	906	7,997
May	7,425	965	8,390	7,344	953	8,297
June	7,481	1,004	8,485	7,628	1,033	8,661
July	7,726	1,110	8,836	7,696	1,061	8,757
August	7,467	1,049	8,516	7,588	1,075	8,663
September	7,249	1,050	8,299	7,257	1,020	8,277
October	7,029	1,023	8,052	7,050	1,012	8,062
November	7,087	1,027	8,114	7,153	1,012	8,165
December	6,850	952	7,802	6,908	914	7,822
Alberta:						
January	22,589	3,271	25,860	22,762	3,085	25,847
February	22,602	3,285	25,887	22,942	3,098	26,040
March	22,542	3,289	25,831	22,946	3,169	26,115
April	20,128	3,288	23,416	20,834	3,096	23,930
May	20,260	3,415	23,675	21,351	3,290	24,641
June	20,979	3,482	24,461	22,458	3,451	25,909
July	21,942	3,844	25,786	23,413	3,930	27,343
August	21,530	3,569	25,119	23,508	4,007	27,515
September	21,128	3,537	24,665	23,272	3,867	27,139
October	21,114	3,220	24,334	23,153	3,538	26,691
November	21,865	3,203	25,068	24,098	3,539	27,637
December	22,617	2,681	25,298	24,658	3,448	28,106
British Columbia:						
January	60,391	6,771	67,162	67,599	7,354	74,953
February	62,715	7,040	69,755	68,072	7,465	75,537
March	65,382	7,338	72,720	70,439	7,663	78,102
April	64,932	7,377	72,309	70,243	7,870	78,113
May	67,480	7,785	75,265	72,852	8,343	81,195
June	70,588	8,689	79,277	76,235	9,147	85,382
July	73,668	10,633	84,301	78,007	10,970	88,977
August	73,994	11,217	85,211	79,078	12,546	91,624
September	72,076	10,668	82,744	77,974	11,275	89,249
October	71,050	9,403	80,453	76,582	10,105	86,687
November	68,488	8,017	76,505	74,581	9,280	83,861
December	66,500	7,053	73,553	71,947	7,925	79,872
Yukon and Northwest Territories:						
January	66	13	79	46	7	53
February	81	13	94	66	10	76
March	81	13	94	71	11	82
April	100	15	115	112	15	127
May	126	16	142	97	15	112
June	157	16	173	148	17	165
July	195	16	211	174	19	193
August	202	17	219	182	21	203
September	179	17	196	144	19	163
October	117	11	128	120	17	137
November	93	12	105	85	15	100
December	56	10	66	72	17	89

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex, and Industrial Groups, 1954 and 1955

Group and month	1954			1955		
	Male	Female	Total	Male	Female	Total
Number						
Foods and beverages:						
January	95,848	27,975	123,823	96,278	28,391	124,669
February	96,057	28,498	124,555	95,650	28,046	123,696
March	97,122	28,761	125,883	96,261	28,309	124,570
April	100,735	29,583	130,318	100,847	29,649	130,496
May	107,140	34,103	141,243	106,812	34,129	140,941
June	113,503	37,941	151,444	114,923	39,319	154,242
July	116,436	40,992	157,428	117,750	40,917	158,667
August	117,270	46,338	163,608	120,621	51,599	172,220
September	114,891	47,224	162,115	116,292	48,713	165,005
October	110,728	41,172	151,900	111,454	42,238	153,692
November	106,310	36,549	142,859	107,437	38,025	145,462
December	99,787	28,541	128,328	100,672	29,659	130,331
Tobacco and tobacco products:						
January	4,126	6,153	10,279	4,557	6,058	10,615
February	3,998	6,091	10,089	4,010	5,701	9,711
March	3,335	5,423	8,758	3,834	5,622	9,456
April	2,669	4,362	7,031	2,921	4,544	7,465
May	2,642	4,312	6,954	2,652	4,480	7,132
June	2,646	4,413	7,059	2,678	4,668	7,346
July	2,611	4,350	6,961	2,633	4,517	7,150
August	2,662	4,375	7,037	2,696	4,539	7,235
September	2,860	4,642	7,502	2,788	4,426	7,214
October	2,808	4,631	7,439	2,829	4,679	7,508
November	3,782	5,621	9,403	3,946	5,954	9,900
December	4,352	6,059	10,411	3,777	5,196	8,973
Rubber products:						
January	12,191	3,478	15,669	12,101	3,397	15,498
February	12,334	3,470	15,804	12,422	3,519	15,941
March	12,262	3,514	15,776	12,465	3,507	15,972
April	12,296	3,561	15,857	12,591	3,635	16,226
May	12,255	3,464	15,719	12,732	3,724	16,456
June	12,262	3,452	15,714	12,854	3,774	16,628
July	12,347	3,313	15,660	12,872	3,791	16,663
August	12,548	3,553	16,101	13,329	4,045	17,374
September	12,670	3,567	16,237	13,620	4,174	17,794
October	12,530	3,671	16,201	13,700	4,185	17,885
November	12,399	3,603	16,002	13,681	3,881	17,568
December	12,168	3,497	15,665	13,410	3,570	16,980
Leather products:						
January	15,536	11,712	27,248	14,676	11,048	25,724
February	15,738	11,995	27,733	14,954	11,491	26,445
March	15,782	12,028	27,810	15,142	11,586	26,728
April	15,479	11,656	27,135	14,937	11,383	26,320
May	15,218	11,411	26,629	14,875	11,153	26,028
June	15,251	11,244	26,495	15,094	11,254	26,348
July	15,254	11,294	26,548	15,022	11,442	26,464
August	15,367	11,543	26,910	15,284	11,896	27,180
September	15,139	11,331	26,470	15,403	11,891	27,294
October	14,817	11,003	25,820	15,497	11,792	27,289
November	14,847	11,119	25,966	15,701	11,762	27,463
December	14,646	10,749	25,395	15,503	11,580	27,083
Textile products (except clothing):						
January	33,673	19,748	53,421	33,464	19,615	53,079
February	33,583	19,347	52,930	34,965	20,130	55,095
March	33,407	19,338	52,745	35,081	20,368	55,449
April	33,500	19,314	52,814	35,255	20,264	55,519
May	33,304	18,991	52,295	35,498	20,400	55,898
June	32,923	18,894	51,817	35,431	20,428	55,859
July	32,870	18,689	51,559	35,641	20,096	55,737
August	33,160	19,109	52,269	36,126	20,531	56,657
September	33,699	19,617	53,316	36,741	21,512	58,253
October	34,383	19,859	54,242	37,117	21,752	58,869
November	34,434	19,988	54,422	37,197	21,666	58,863
December	33,795	19,488	53,283	36,851	21,049	57,900
Clothing:						
January	22,692	54,800	77,492	22,020	54,054	76,074
February	23,309	56,739	80,048	22,400	55,601	78,001
March	23,520	57,257	80,777	22,425	56,203	78,628
April	23,011	56,357	79,368	22,050	55,327	77,377
May	22,191	54,287	76,478	21,351	54,554	75,905
June	22,161	53,131	75,292	21,357	54,182	75,539
July	22,389	51,406	73,795	21,787	53,242	75,029
August	23,232	55,073	78,305	22,490	56,475	78,965
September	23,320	56,576	79,896	22,488	56,378	78,863
October	22,750	55,986	78,736	22,330	58,357	80,687
November	21,977	54,292	76,269	21,751	57,409	79,160
December	21,694	50,923	72,617	21,477	54,987	76,464

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1954 and 1955 — Continued

Group and month	1954			1955		
	Male	Female	Total	Male	Female	Total
Number						
Knitting mills:						
January	6,764	12,639	19,403	6,348	12,271	18,619
February	6,628	12,658	19,286	6,423	12,552	18,975
March	6,582	12,484	19,066	6,236	12,366	18,602
April	6,496	12,151	18,647	6,061	12,099	18,160
May	6,437	11,996	18,433	6,232	11,987	18,219
June	6,438	11,917	18,355	6,252	12,099	18,351
July	6,340	11,747	18,087	6,397	12,133	18,530
August	6,445	11,984	18,429	6,473	12,889	19,362
September	6,583	12,364	18,952	6,597	13,362	19,959
October	6,527	12,463	18,990	6,401	13,325	19,726
November	6,410	12,315	18,725	6,502	13,581	20,083
December	6,260	11,826	18,086	6,515	13,236	19,751
Wood Products:						
January	88,243	4,982	93,225	91,538	5,003	96,541
February	91,260	5,023	96,283	93,362	5,158	98,520
March	95,594	5,123	100,717	97,039	5,186	102,225
April	97,061	5,154	102,215	99,011	5,218	104,229
May	105,240	5,192	110,432	109,437	5,363	114,800
June	109,982	5,294	115,276	115,191	5,535	120,726
July	109,702	5,266	114,968	113,658	5,501	119,159
August	105,799	5,350	111,149	111,865	5,580	117,445
September	101,922	5,246	107,168	107,848	5,648	113,496
October	97,270	5,224	102,494	103,578	5,702	109,280
November	92,311	5,120	97,431	98,982	5,621	104,603
December	89,524	4,997	94,521	94,949	5,464	100,413
Paper products:						
January	60,693	8,075	68,768	61,794	7,579	69,373
February	60,912	8,115	69,027	61,904	7,639	69,543
March	61,923	8,172	69,265	62,502	7,714	70,216
April	61,702	8,125	69,827	63,592	7,704	71,296
May	64,112	8,097	72,209	65,887	7,916	73,803
June	66,330	8,256	74,586	68,433	8,217	76,650
July	66,996	8,256	75,252	69,347	8,229	77,576
August	67,341	8,329	75,670	69,880	8,501	78,381
September	66,084	8,293	74,377	68,617	8,654	77,271
October	64,767	8,276	73,043	67,757	8,729	76,486
November	63,412	8,211	71,623	66,262	8,479	74,741
December	62,603	7,950	70,553	65,448	8,275	73,723
Printing publishing and allied trades:						
January	32,456	8,777	41,233	32,996	8,574	41,570
February	32,396	8,539	40,935	33,005	8,427	41,432
March	32,467	8,492	40,959	33,111	8,421	41,532
April	32,655	8,480	41,135	33,226	8,398	41,624
May	32,786	8,390	41,176	33,187	8,384	41,571
June	33,002	8,748	41,750	33,489	8,563	42,052
July	33,063	8,815	41,878	33,304	8,597	41,901
August	32,787	8,736	41,523	33,252	8,605	41,857
September	32,958	8,900	41,858	33,345	8,775	42,120
October	33,036	9,041	42,077	33,483	8,839	42,322
November	33,084	9,066	42,150	33,741	8,990	42,731
December	33,012	8,831	41,843	33,477	8,539	42,016
Iron and steel products:						
January	132,182	7,133	139,315	122,118	6,357	128,475
February	131,771	7,189	138,960	126,017	6,427	132,444
March	131,233	7,209	138,442	128,496	6,506	135,002
April	129,450	7,136	136,586	130,967	6,632	137,599
May	129,933	7,073	137,006	133,321	6,716	140,037
June	131,154	7,011	138,165	134,792	6,760	141,552
July	129,371	6,960	136,331	135,887	6,693	142,580
August	126,720	6,790	133,510	137,441	6,735	144,176
September	126,346	6,844	133,190	140,145	6,890	147,035
October	122,314	6,838	129,152	140,517	6,991	147,508
November	119,725	6,608	126,333	140,199	7,087	147,286
December	120,054	6,410	126,464	138,848	6,905	145,753
Transportation equipment:						
January	119,456	4,215	123,671	92,611	3,610	96,221
February	119,545	4,197	123,742	102,425	3,984	106,409
March	119,092	4,072	123,164	105,336	4,054	109,390
April	117,576	3,915	121,491	106,283	4,164	110,447
May	110,416	3,821	114,237	105,556	4,267	109,823
June	103,960	3,498	107,458	105,083	4,022	109,105
July	99,020	2,910	101,930	100,492	3,775	104,267
August	90,810	2,781	93,591	95,561	3,152	98,713
September	89,069	2,041	92,110	96,470	3,376	99,846
October	92,682	3,199	95,881	91,499	3,141	94,640
November	88,138	3,314	91,452	94,164	3,210	97,374
December	88,582	3,308	91,890	95,462	3,084	98,546

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1954 and 1955 - Concluded

Group and month	1954			1955		
	Male	Female	Total	Male	Female	Total
	Number					
Non-ferrous metal products:						
January	36,447	2,859	39,306	37,524	2,684	40,208
February	36,235	2,840	39,075	37,642	2,707	40,349
March	36,411	2,840	39,251	37,810	2,723	40,533
April	36,341	2,775	39,116	37,840	2,680	40,520
May	36,708	2,690	39,398	38,649	2,641	41,290
June	37,047	2,685	39,732	39,475	2,747	42,222
July	37,759	2,866	40,625	39,828	2,846	42,674
August	38,077	2,938	41,015	40,223	2,996	43,219
September	37,912	3,018	40,930	40,689	3,218	43,907
October	37,723	3,019	40,742	40,372	3,299	43,671
November	37,592	2,936	40,528	40,121	3,244	43,365
December	37,296	2,745	40,041	39,549	3,009	42,558
Electrical apparatus and supplies:						
January	37,719	15,542	53,261	34,524	14,820	49,344
February	37,312	15,078	52,390	34,576	14,619	49,195
March	37,039	14,713	51,752	34,468	14,381	48,849
April	36,537	13,998	50,535	34,541	14,123	48,664
May	35,856	13,964	49,820	34,990	14,233	49,223
June	35,798	13,773	49,571	35,558	14,841	50,399
July	35,409	13,500	48,909	35,017	15,168	50,185
August	35,287	14,224	49,511	36,740	16,702	53,442
September	35,631	15,072	50,703	36,593	18,231	54,824
October	35,098	15,459	50,557	35,608	18,747	54,355
November	34,966	15,701	50,667	35,869	18,450	54,319
December	34,432	15,179	49,611	36,296	17,204	53,500
Non-metallic mineral products:						
January	24,217	1,942	26,159	25,179	1,783	26,962
February	24,317	1,958	26,275	25,572	1,832	27,404
March	24,696	2,061	26,757	26,337	1,975	28,312
April	25,636	2,120	27,756	28,045	1,896	29,941
May	27,264	2,164	29,428	29,949	1,998	31,947
June	27,988	2,096	30,084	31,429	2,089	33,518
July	28,537	2,047	30,584	32,525	2,229	34,754
August	28,549	1,980	30,529	33,008	2,173	35,181
September	28,155	1,938	30,093	32,304	2,117	34,421
October	28,060	1,905	29,965	31,923	2,075	33,998
November	27,206	1,906	29,112	30,821	2,111	32,932
December	25,441	1,822	27,263	29,285	2,033	31,318
Product of petroleum and coal:						
January	11,216	54	11,270	10,525	49	10,574
February	11,242	55	11,297	10,631	56	10,687
March	11,135	59	11,194	10,723	57	10,780
April	11,287	63	11,350	10,848	61	10,909
May	11,516	64	11,580	11,127	61	11,188
June	11,686	66	11,752	11,413	63	11,476
July	11,803	65	11,868	11,379	62	11,441
August	11,752	70	11,822	11,404	67	11,471
September	11,579	68	11,647	11,301	63	11,364
October	11,265	64	11,329	11,274	68	11,342
November	11,238	62	11,300	11,195	66	11,261
December	11,191	58	11,249	11,332	67	11,399
Chemicals and allied products:						
January	27,482	5,889	33,371	26,993	5,704	32,697
February	27,583	6,027	33,610	27,142	5,864	33,006
March	27,672	6,091	33,763	27,134	5,808	32,942
April	27,799	6,079	33,878	27,370	5,822	33,192
May	28,098	5,939	34,037	27,781	5,841	33,622
June	27,964	6,039	34,003	27,613	5,777	33,390
July	27,813	6,011	33,824	27,611	5,719	33,330
August	27,738	6,119	33,857	27,762	5,935	33,697
September	27,564	6,115	33,679	27,491	5,903	33,394
October	27,413	6,128	33,541	27,405	6,041	33,446
November	27,264	6,071	33,335	27,215	6,009	33,224
December	26,980	5,831	32,811	26,846	5,686	32,532
Miscellaneous industries:						
January	14,407	8,480	22,887	14,459	7,921	22,380
February	14,426	8,598	23,024	14,573	8,168	22,741
March	14,580	8,808	23,388	14,711	8,569	23,280
April	14,514	8,801	23,315	14,763	8,495	23,258
May	14,548	8,691	23,239	14,876	8,395	23,271
June	14,607	8,558	23,165	15,174	8,495	23,669
July	14,343	8,413	22,756	15,058	8,416	23,474
August	14,725	8,771	23,496	15,383	8,974	24,357
September	14,869	9,134	24,003	15,535	9,537	25,072
October	14,956	9,304	24,260	15,694	9,849	25,543
November	14,768	9,160	23,928	15,664	9,717	25,381
December	14,386	8,369	22,755	15,146	8,865	24,011

Subsection 4. Hours Worked in Manufacturing Industries

Hours Worked by Production Workers.— From 1932, the first year for which figures on hours worked per week by production workers are available, to 1945, each firm was required to report the number of hours worked by all its production workers during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Table 29 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all production workers, the hours worked per week declined from 48.9 in 1932 to 47.2 in 1939, and reached 50.6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2.8 p.c. of male and 5.3 p.c. of female production workers working under 30 hours per week, in 1944 these percentages rose to 5.3 and 12.5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male production workers totalled 47.6 and for females 42.7.

The method of collecting statistics on hours worked was changed in 1946. Instead of collecting this information for one week in the month of highest employment which varied

from plant to plant, the last week of November was chosen for the base period. For 1948 and subsequent years the period was changed to the last week in October. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Section. Establishments employing 15 hands or over only are covered. The statistics for 1946 to 1955 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

On the above basis, the hours worked per week declined for all workers engaged in manufacturing. The hours of male production workers dropped from 44.9 in 1946 to 42.3 in 1954, female production workers from 40.0 to 38.5, male office employees from 42.0 to 39.0 and female office employees from 39.5 to 37.9.

Persons employed in 1950 and 1953 were classified on the basis of earnings per week instead of hours worked. For this reason the distribution of employees by hours worked per week is not available for these years. It is the intention in future to classify employees one year on the basis of hours worked, the second year on the basis of weekly earnings, while in the third year no break-down of either the hours worked or weekly earnings will be collected. Instead a more detailed break-down of salaried employees into (a) managerial and professional and (b) office workers will be requested.

Supervisory and office employees as a rule work shorter hours than production workers as the following figures for 1955 indicate.

	Production Workers	Supervisory and Office Employees
Both sexes	42.0	39.1
Male	42.7	42.0
Female	39.4	39.5

TABLE 29. Production Workers in Manufacturing, Working Specified Numbers of Hours per Week in the Month of Highest Employment, 1938-45¹

Note. Hours worked per week in 1934-37 are given at p. 393 of the 1942 edition of the Canada Year Book; in 1940 and 1941 at p. 392 of the 1943-44 edition.

Hours Worked per Week	1938	1939	1942	1943	1944	1945
	p.c.					
All Production Workers:						
30 or less	4.1	3.4	4.3	6.2	7.4	7.4
31-43	16.9	14.6	8.6	10.7	12.7	16.2
44	14.3	13.8	7.7	7.4	9.5	12.1
45-47	11.3	10.9	7.0	8.3	9.1	10.8
48	20.7	22.2	21.4	20.5	20.6	21.4
49-50	10.6	11.2	9.2	9.6	9.8	9.8
51-54	6.7	7.9	12.9	12.5	10.8	8.4
55	3.5	4.1	5.6	5.2	4.4	3.2
56-64	10.4	10.4	16.9	14.6	11.8	7.6
65 or over	1.5	1.5	6.4	5.0	3.9	3.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	46.7	47.2	50.2	48.8	47.5	46.2
Male Production Workers:						
30 or less	3.4	2.8	3.6	4.6	5.3	5.4
31-43	16.6	14.2	7.0	7.9	9.8	13.1
44	13.1	12.7	6.9	6.2	9.0	11.7
45-47	10.5	10.0	5.6	7.2	7.9	9.8
48	21.3	22.8	21.7	21.5	21.5	22.9
49-50	10.0	10.6	8.4	8.8	9.5	10.0
51-54	7.4	8.2	12.6	13.2	11.9	9.5
55	3.6	4.4	5.8	5.7	5.0	3.8
56-64	12.3	12.5	28.4	18.7	15.1	9.7
65 or over	1.8	1.8	8.0	6.6	5.0	4.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	47.3	48.1	51.3	50.4	49.1	47.6
Female Production Workers:						
30 or less	6.7	5.3	6.2	10.0	12.5	12.3
31-43	17.9	15.8	13.0	17.6	20.1	23.8
44	18.3	17.8	9.9	10.3	10.8	13.2
45-47	14.2	13.9	11.1	11.2	12.2	13.2
48	18.8	20.4	20.8	18.2	18.4	17.7
49-50	12.6	13.2	11.5	11.6	10.5	9.1
51-54	4.5	6.6	13.5	10.7	8.2	5.7
55	3.1	3.5	4.9	4.0	2.9	1.9
56-64	3.5	3.2	7.2	5.3	3.4	2.4
65 or over .....	.4	.3	1.9	1.1	1.0	.7
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.6	45.2	46.9	44.8	43.6	42.7

1. For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

TABLE 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October, 1946-55¹

Hours Worked per Week	1946 ²	1947 ²	1948	1949	1952	1955
	p.c.					
All Production Workers:						
30 or less	6.7	6.7	6.1	6.3	6.1	5.9
31-34	10.8	2.9	3.0	3.1	3.5	4.1
35-39		7.8	8.4	8.5	8.1	8.2
40		9.9	12.2	13.2	15.3	25.9
41-43	11.5	10.6	10.9	11.1	11.9	11.3
44	10.3	8.5	9.3	8.6	6.6	5.9
45-47	18.2	18.7	18.9	18.8	13.9	11.5
48	13.7	12.9	11.8	10.7	7.6	6.7
49-50	6.6	6.5	6.1	5.7	5.0	4.2
51-53	5.4	4.3	4.0	3.9	3.6	3.4
54		1.3	1.3	1.2	1.3	1.1
55-64		6.0	6.5	6.0	5.9	5.5
65 or over	0.9	1.1	1.0	0.9	1.0	0.8
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	43.7	43.7	43.6	43.3	42.6	42.0
Male Production Workers:						
30 or less	4.7	4.6	4.4	4.3	4.6	4.4
31-34	8.0	2.1	2.2	2.3	2.9	3.5
35-39		6.1	6.4	6.7	6.6	6.6
40		9.6	11.9	12.9	15.5	27.3
41-43	10.6	9.2	9.9	10.4	11.3	10.8
44	10.7	8.7	9.7	8.8	6.4	5.9
45-47	18.8	19.7	19.4	19.2	13.9	11.2
48	15.8	15.0	13.9	12.5	8.5	7.5
49-50	7.1	7.0	6.6	6.3	5.4	4.5
51-53	6.3	4.9	4.6	4.4	3.9	3.6
54		1.6	1.5	1.3	1.5	1.3
55-64		7.3	7.8	7.3	7.1	6.5
65 or over	1.1	1.4	1.2	1.2	1.2	1.0
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.9	44.9	44.7	44.4	43.4	42.7
Female Production Workers:						
30 or less	13.1	13.7	12.2	12.8	11.9	11.6
31-34	19.7	5.5	5.6	5.8	5.9	6.4
35-39		13.6	15.0	14.6	13.5	14.1
40		10.8	13.4	14.1	14.8	20.9
41-43	14.6	15.0	14.5	13.3	13.9	13.1
44	8.9	7.8	7.9	7.9	7.4	5.6
45-47	16.1	15.9	17.4	17.5	14.2	12.4
48	7.1	5.7	5.1	4.5	3.9	3.7
49-50	5.0	4.9	4.1	3.9	3.3	3.3
51-53	2.5	2.0	2.0	2.3	2.4	2.3
54		0.5	0.5	0.5	0.6	0.6
55-64		2.1	1.9	1.5	2.0	1.9
65 or over	0.1	0.1	0.1	0.1	0.2	0.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	40.0	39.7	39.8	39.8	39.6	39.4

1. Includes only establishments employing 15 hands or over. Information not collected in 1950, 1951, 1952 and 1954.

2. Last week in November.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-55¹
 (Hours worked by wage-earners from 1938 to 1945 are given on page 53 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and Year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
Average hours						
Canada:						
1946	43.7	44.9	40.0	41.1	42.0	39.5
1947	43.7	44.9	39.7	40.4	41.2	38.9
1948	43.6	44.7	39.8	40.3	41.1	38.8
1949	43.3	44.4	39.8	40.1	40.8	38.6
1950	43.5	44.6	40.0	39.7	40.2	38.4
1951	42.0	43.0	37.9	39.5	40.0	38.2
1952	42.6	43.4	39.6	39.4	39.9	38.0
1953	41.7	42.6	38.5	39.0	39.5	37.9
1954	41.5	42.3	38.5	39.0	39.4	37.9
1955	42.0	42.7	39.4	39.1	39.6	37.9
Newfoundland:						
1950	46.9	47.7	41.9	42.6	43.5	39.9
1951	45.5	46.1	40.5	43.0	43.3	42.0
1952	44.1	44.6	40.2	42.7	43.0	41.3
1953	43.2	43.8	37.4	41.8	42.0	41.0
1954	42.8	43.3	38.3	40.7	40.9	39.9
1955	41.5	41.9	38.0	41.4	41.6	40.8
Prince Edward Island:						
1946	46.3	46.9	45.0	—	—	—
1947	45.3	47.0	40.3	—	—	—
1948	45.8	46.7	42.6	—	—	—
1949	47.7	48.1	46.8	—	—	—
1950	44.0	46.0	39.2	41.0	41.0	41.1
1951	45.9	46.4	44.4	43.4	44.3	41.3
1952	45.2	46.1	40.9	41.3	41.7	40.6
1953	45.8	46.2	44.6	40.5	41.0	39.7
1954	45.2	45.8	43.0	40.5	40.8	39.7
1955	44.3	45.1	42.0	41.0	41.3	40.4
Nova Scotia:						
1946	45.7	46.0	43.6	43.1	44.1	40.7
1947	45.8	46.2	43.4	41.9	42.6	40.0
1948	45.8	46.0	44.5	41.7	42.4	39.9
1949	44.5	44.8	42.6	40.5	40.9	39.6
1950	44.8	45.0	43.7	40.8	41.0	40.1
1951	43.3	43.4	42.9	41.7	42.3	40.2
1952	42.4	42.4	42.5	42.3	43.2	39.8
1953	41.6	41.7	41.2	40.5	40.9	39.2
1954	41.1	41.4	39.3	40.8	41.6	38.6
1955	41.4	41.6	39.9	41.1	42.0	38.4
New Brunswick:						
1946	46.0	46.7	42.9	43.2	44.3	40.9
1947	45.4	46.6	40.3	43.6	44.6	41.2
1948	46.1	47.0	41.9	42.7	43.8	40.4
1949	45.4	46.9	41.3	42.8	43.8	40.6
1950	45.0	46.3	39.3	42.0	43.0	39.6
1951	44.3	45.5	39.1	41.8	42.6	40.1
1952	44.1	44.8	40.8	41.5	42.2	39.5
1953	42.7	43.8	37.0	40.9	41.1	40.6
1954	42.6	43.3	37.6	40.3	40.9	38.9
1955	43.2	43.9	39.0	40.5	41.3	38.2
Quebec:						
1946	45.4	47.1	41.2	41.5	42.5	39.6
1947	45.4	47.1	40.7	40.6	41.3	39.1
1948	45.2	46.8	40.9	40.6	41.4	39.0
1949	44.5	46.3	40.2	40.4	41.1	38.8
1950	44.9	46.7	40.6	39.8	40.5	38.4
1951	43.0	44.8	37.8	39.7	40.3	38.1
1952	44.0	45.5	40.1	39.5	40.0	38.2
1953	42.8	44.4	38.5	39.2	39.7	37.9
1954	42.3	43.7	38.7	39.0	39.4	37.8
1955	43.3	44.7	39.8	39.2	39.7	37.9

1. Prior to 1946 the figures refer to the week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1948 to 1955 the last week in October for establishments employing 15 hands and over only.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-55¹ — Concluded

Province and Year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
Average hours						
Ontario:						
1946	42.8	44.0	38.8	40.5	41.3	39.2
1947	43.0	44.2	38.8	40.0	40.8	38.6
1948	42.9	43.9	38.9	39.8	40.6	38.4
1949	42.8	43.8	39.4	39.7	40.4	38.3
1950	43.0	44.0	39.5	39.3	39.8	38.1
1951	41.6	42.4	37.9	39.0	39.5	37.9
1952	42.1	42.8	39.3	39.0	39.6	37.7
1953	41.4	42.0	38.7	38.7	39.2	37.6
1954	41.2	41.8	38.6	38.8	39.2	37.7
1955	41.6	42.1	39.3	38.9	39.3	37.8
Manitoba:						
1946	42.8	43.8	39.6	42.7	43.3	41.1
1947	43.4	44.5	39.7	41.7	42.2	40.4
1948	43.1	44.1	39.6	41.8	42.5	40.4
1949	43.4	44.5	39.7	41.3	41.9	39.9
1950	43.6	44.6	40.0	40.9	41.3	39.8
1951	41.6	42.4	38.4	40.3	40.5	39.6
1952	41.6	42.2	39.7	39.9	40.4	38.5
1953	40.9	41.7	37.9	39.9	40.2	38.8
1954	41.2	41.9	38.7	39.3	39.7	38.0
1955	41.6	42.3	39.1	39.6	40.1	38.2
Saskatchewan:						
1946	44.0	44.3	41.2	42.9	43.7	41.3
1947	43.3	43.8	40.3	42.1	43.0	41.0
1948	43.0	43.6	39.0	41.9	42.4	41.1
1949	42.4	42.9	39.2	42.2	42.7	41.1
1950	42.4	42.8	39.1	42.1	42.5	41.3
1951	41.4	41.8	38.6	41.3	41.6	40.9
1952	41.4	41.8	38.9	41.5	42.0	40.3
1953	41.2	41.6	37.8	40.7	41.3	39.4
1954	41.5	42.3	35.8	40.5	40.6	40.1
1955	41.4	42.1	36.5	40.4	40.7	39.6
Alberta:						
1946	43.2	43.5	41.6	42.9	43.6	41.5
1947	43.7	44.1	41.8	42.4	43.0	41.0
1948	43.3	43.8	40.7	42.5	43.2	40.7
1949	43.5	43.9	40.7	42.2	42.8	40.6
1950	42.6	43.0	39.7	41.3	41.7	39.8
1951	41.3	41.6	38.6	41.3	41.6	40.3
1952	41.4	42.0	38.2	40.5	40.9	39.4
1953	41.2	41.7	38.1	40.0	40.4	38.8
1954	41.4	42.1	36.6	40.2	40.5	39.2
1955	41.3	41.8	37.9	39.9	40.4	38.6
British Columbia:						
1946	41.2	41.5	39.2	41.9	42.4	40.6
1947	40.4	40.4	38.4	40.6	41.0	39.7
1948	40.3	40.6	38.0	40.6	41.0	39.5
1949	40.1	40.5	37.2	40.4	40.7	39.6
1950	40.2	40.5	37.8	39.9	40.2	39.0
1951	39.1	39.5	35.9	40.0	40.2	39.1
1952	39.3	39.7	36.2	39.6	40.0	38.3
1953	39.5	39.8	36.4	39.4	39.7	38.4
1954	39.6	40.0	35.6	39.3	39.7	38.2
1955	39.6	39.9	36.4	39.4	39.8	38.2

1. Prior to 1946 the figures refer to the week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1948 to 1955 the last week in October for establishments employing 15 hands and over only.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-55¹

Group and year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
Average hours						
Foods and beverages:						
1946	43.9	45.7	38.8	42.2	43.2	40.3
1947	44.1	46.1	38.6	41.2	42.0	39.7
1948	44.0	45.9	38.8	41.4	42.4	39.4
1949	44.3	46.2	39.4	41.2	42.1	39.4
1950	43.8	45.7	39.0	40.9	41.5	39.3
1951	43.4	45.0	39.0	40.5	41.1	39.1
1952	43.1	44.7	39.1	40.5	41.1	38.7
1953	42.6	44.1	38.8	40.0	40.6	38.4
1954	41.8	43.3	37.9	39.7	40.2	38.4
1955	42.0	43.5	38.2	39.9	40.6	38.2
Tobacco and tobacco products:						
1946	42.9	45.6	41.4	41.3	42.1	40.4
1947	42.1	44.8	40.6	40.4	41.1	39.2
1948	42.5	45.0	41.2	40.2	40.8	39.3
1949	43.6	45.6	42.6	40.0	40.5	39.2
1950	41.5	43.0	40.7	38.4	38.6	37.9
1951	41.5	43.8	40.0	37.3	37.5	36.8
1952	40.8	42.6	39.7	37.5	37.7	37.2
1953	40.5	41.8	39.7	37.3	37.4	37.2
1954	40.5	42.1	39.5	37.6	37.8	37.2
1955	40.3	41.4	39.7	37.8	38.0	37.3
Rubber products:						
1946	44.8	45.6	42.3	40.4	40.9	39.2
1947	43.7	44.3	41.8	39.3	39.7	38.4
1948	43.4	44.3	40.8	39.2	39.7	38.2
1949	42.3	42.8	40.9	39.2	39.7	38.2
1950	43.6	44.2	41.8	39.6	40.1	38.5
1951	41.4	42.0	39.5	38.3	38.4	38.0
1952	42.3	42.8	40.6	38.7	39.1	37.9
1953	41.4	42.3	38.6	38.9	39.1	38.2
1954	41.6	42.0	40.0	39.1	39.4	38.2
1955	43.0	43.6	40.8	38.9	39.2	38.3
Leather products:						
1946	42.5	43.9	40.6	43.1	44.5	40.3
1947	41.0	42.2	39.2	41.9	43.2	39.1
1948	41.0	42.0	39.5	41.4	42.5	39.2
1949	40.1	41.3	38.4	41.5	42.6	39.2
1950	40.4	41.8	38.6	41.2	42.2	39.2
1951	37.6	38.7	36.0	40.2	41.2	38.1
1952	41.0	42.2	39.4	40.4	41.2	38.4
1953	38.5	39.9	36.7	39.8	40.6	37.9
1954	37.8	38.7	36.5	39.6	40.5	37.9
1955	40.6	41.7	39.1	39.8	40.8	37.9
Textile products (except clothing):						
1946	43.8	46.6	41.3	41.5	42.6	39.4
1947	44.5	46.5	41.6	41.2	42.1	39.4
1948	44.4	46.4	41.5	41.0	42.1	39.2
1949	44.6	46.4	41.8	41.0	41.9	39.2
1950	44.7	46.3	42.1	40.2	40.9	38.7
1951	40.4	42.0	37.7	39.8	40.5	38.4
1952	43.5	44.7	41.2	39.4	40.0	38.3
1953	41.1	42.3	38.9	39.7	40.5	38.1
1954	43.0	44.3	40.6	39.3	40.0	38.0
1955	43.5	45.0	40.9	40.1	40.9	38.1
Clothing (including knitting mills):						
1946	41.0	44.8	38.7	41.5	42.7	39.8
1947	39.7	42.9	38.4	40.8	42.0	39.2
1948	40.1	42.6	39.0	40.9	42.2	39.4
1949	39.2	41.6	38.2	40.6	41.7	39.1
1950	40.1	42.6	39.0	40.0	40.9	38.7
1951	36.7	38.8	35.8	39.5	40.4	38.3
1952	39.9	42.5	38.8	39.5	40.3	38.4
1953	38.2	40.6	37.3	39.6	40.6	38.2
1954	38.4	40.5	37.5	39.4	40.4	38.0
1955	39.6	41.7	38.8	39.9	40.8	38.6

1. See footnote 1, p. 71.

**TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada,
by Industrial Group, 1946-55¹ - Continued**

Group and year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
Average hours						
Wood products:						
1946	45.1	45.4	41.3	43.7	45.2	40.2
1947	44.0	44.2	40.4	42.6	43.8	39.6
1948	44.0	44.2	40.8	42.4	43.6	39.3
1949	44.1	44.3	40.6	42.4	43.5	39.4
1950	44.1	44.3	41.0	41.7	42.6	39.2
1951	42.9	43.0	40.6	41.5	42.5	38.7
1952	43.8	44.0	41.1	41.5	42.6	38.4
1953	43.8	44.0	40.4	41.2	42.1	38.5
1954	43.2	43.4	40.2	40.9	41.8	38.2
1955	43.5	43.7	40.9	40.9	41.8	38.2
Paper products:						
1946	47.1	48.2	41.0	40.9	41.6	39.4
1947	47.2	48.1	41.4	39.9	40.4	38.6
1948	47.2	48.0	41.3	40.2	40.7	38.7
1949	47.1	47.9	41.9	39.9	40.4	38.4
1950	47.5	48.3	42.1	39.1	39.6	37.8
1951	46.5	47.2	40.9	38.9	39.3	38.0
1952	45.1	45.5	41.6	38.4	38.7	37.4
1953	43.6	44.0	40.0	38.0	38.3	37.1
1954	42.7	43.1	39.2	37.7	37.9	37.0
1955	43.0	43.2	41.0	37.7	38.0	37.0
Printing, publishing and allied industries:						
1946	42.0	43.3	38.5	39.9	40.6	39.0
1947	41.1	42.2	38.1	39.5	40.0	38.7
1948	40.9	42.0	37.8	39.0	39.4	38.3
1949	41.0	41.8	38.3	38.7	39.2	37.8
1950	40.4	41.2	37.9	38.2	38.3	38.0
1951	40.0	40.6	38.0	38.2	38.5	37.8
1952	40.0	40.6	38.0	37.9	38.0	37.6
1953	40.0	40.7	37.9	37.3	37.4	37.0
1954	40.2	40.7	38.4	37.7	37.9	37.3
1955	40.1	40.7	38.2	37.6	37.9	37.2
Iron and steel products:						
1946	44.8	45.0	41.8	40.9	41.5	39.3
1947	45.1	45.3	41.6	40.2	40.8	38.6
1948	44.8	45.0	41.6	40.1	40.7	38.6
1949	43.6	43.7	41.5	39.8	40.3	38.4
1950	44.0	44.1	41.4	39.5	39.9	38.3
1951	42.5	42.7	39.8	39.1	39.6	37.9
1952	42.8	42.9	40.1	39.1	39.5	38.0
1953	42.1	42.2	39.6	38.9	39.3	37.6
1954	41.6	41.7	38.9	38.9	39.2	37.8
1955	42.6	42.8	39.9	38.9	39.2	37.8
Transportation equipment:						
1946	42.3	42.4	40.3	42.2	42.8	40.5
1947	43.6	43.7	40.9	41.1	41.6	39.7
1948	43.2	43.2	40.7	41.6	42.1	40.2
1949	42.9	43.0	39.6	41.5	41.9	40.1
1950	43.8	43.9	40.2	41.4	41.8	39.8
1951	42.1	42.2	38.7	41.0	41.3	39.9
1952	42.3	42.4	38.5	41.7	42.5	39.2
1953	41.6	41.8	38.1	39.9	40.2	38.8
1954	41.3	41.4	38.4	40.3	40.7	38.8
1955	40.5	40.6	38.6	40.2	40.5	39.1
Non-ferrous metal products:						
1946	44.0	44.5	40.9	41.6	42.4	40.1
1947	44.1	44.6	40.3	40.9	41.6	39.2
1948	43.9	44.3	40.7	41.0	41.7	39.1
1949	44.4	44.6	41.8	40.9	41.8	38.8
1950	44.2	44.5	41.5	39.9	40.6	38.3
1951	41.8	42.0	40.0	39.6	40.2	38.1
1952	42.1	42.2	41.0	39.0	39.4	37.8
1953	41.5	41.6	39.8	39.4	39.9	37.8
1954	41.7	41.9	40.0	38.8	39.2	37.5
1955	42.0	42.1	40.7	38.6	39.1	37.3

1. See footnote 1, p. 71.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Group, 1946-55¹ — Concluded

Group and year	Production workers			Supervisory and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
Average hours						
Electrical apparatus and supplies:						
1946	41.9	42.7	40.3	39.6	40.1	38.6
1947	42.6	43.5	40.7	39.9	40.6	38.6
1948	41.8	42.6	39.5	39.0	39.3	38.3
1949	42.1	42.8	40.3	39.0	39.3	38.3
1950	42.4	43.3	40.2	38.6	38.8	38.0
1951	41.5	42.5	38.7	38.8	39.3	37.6
1952	42.1	42.8	40.1	38.5	38.8	37.6
1953	41.8	42.6	40.1	38.6	38.8	37.9
1954	40.9	41.5	39.5	38.8	39.1	38.1
1955	42.3	43.5	40.2	38.8	39.1	38.1
Non-metallic mineral products:						
1946	46.1	46.6	42.0	41.4	42.3	39.2
1947	46.4	46.8	43.5	40.9	41.3	40.0
1948	46.4	46.8	42.8	40.5	41.3	38.2
1949	46.0	46.4	41.8	39.9	40.8	37.8
1950	46.4	46.8	41.6	39.7	40.3	38.0
1951	45.0	45.3	40.2	39.3	39.9	37.6
1952	45.1	45.5	40.2	38.4	39.0	36.8
1953	44.4	44.7	40.9	39.2	39.9	37.1
1954	44.7	45.0	40.5	39.0	39.6	37.2
1955	45.0	45.3	40.5	39.5	40.1	37.5
Products of petroleum and coal:						
1946	41.9	42.0	—	39.5	39.9	38.2
1947	42.1	42.1	—	38.8	39.1	37.3
1948	42.1	42.1	—	38.2	38.5	37.1
1949	41.9	41.9	—	38.0	38.6	36.1
1950	41.3	41.3	—	36.7	37.4	34.1
1951	41.4	41.4	—	38.4	38.7	37.1
1952	41.5	41.5	—	36.7	37.0	35.9
1953	41.6	41.7	—	37.2	37.5	36.2
1954	41.6	41.7	—	36.8	37.0	36.1
1955	41.5	41.6	—	36.9	37.1	36.3
Chemicals and allied products:						
1946	44.4	45.3	41.0	39.5	40.0	38.8
1947	43.8	44.7	40.2	39.0	39.5	38.3
1948	44.0	44.9	40.4	38.8	39.3	38.0
1949	44.3	45.1	40.8	38.7	39.2	37.8
1950	43.4	44.1	40.1	38.3	38.8	37.5
1951	42.7	43.3	39.6	38.6	38.9	38.0
1952	42.3	42.8	39.6	38.4	38.7	37.9
1953	42.3	42.9	39.5	38.3	38.5	37.7
1954	41.6	42.0	39.0	38.0	38.2	37.6
1955	41.5	42.0	39.2	38.3	38.6	37.7
Miscellaneous industries:						
1946	42.9	43.9	41.0	43.1	41.9	38.7
1947	42.3	43.7	39.7	41.9	41.2	38.6
1948	42.3	43.6	40.4	41.7	41.2	38.2
1949	42.8	44.2	40.7	40.5	41.1	37.6
1950	42.8	44.3	40.6	40.0	41.0	38.4
1951	41.8	43.3	39.5	38.9	40.1	37.0
1952	42.4	44.3	39.8	38.3	39.5	35.9
1953	42.2	43.7	40.0	38.9	39.4	37.8
1954	42.1	43.1	40.3	38.8	39.6	37.5
1955	42.7	44.1	40.6	39.1	39.9	37.7

1. Prior to 1946 the figures refer to the week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1948 to 1955 the last week in October for establishments employing 15 hands and over only.

Subsection 5. Earnings in Manufacturing Industries

In 1955, the 38,182 establishments covered, employed 287,469 supervisory and office employees and 1,010,992 production workers, a total of 1,298,461 persons. Out of every 1,000 persons employed in manufacturing, 221 were classed as office employees and 779 as production workers; the former earned 28 p.c. and the latter 72 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of that paid to office workers, in 1943 the percentage rose to 76, they declined to 69 in 1947 and rose to 74 in 1955. This tendency towards equalization was due, in part, to the controls adopted

by the Government during the war years which tended to stabilize earnings of office workers more so than the earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay.

Ontario has a larger proportion of females among its office employees than the other provinces. The same situation prevails in Quebec with regard to production workers, due, no doubt, to the textile industries of the Province. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female production workers engaged in the manufacturing industries of Canada in 1955, 42 p.c. were found in the textile and clothing groups.

Average earnings of office workers in 1955 amounted to \$3,990 which was \$1,154 or 41 p.c. higher than in 1949. Office

employees in Ontario with \$4,156 were the highest paid. Those in British Columbia were second with \$4,079, Quebec third with \$3,959 and Manitoba fourth with \$3,632. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salary of the provinces in which these cities are located.

Average earnings of production workers in 1955 amounted to \$2,963 which was \$896 or 43 p.c. higher than in 1949. The manufacturing industries of British Columbia paid the highest average wages of \$3,307. Ontario with \$3,166 was in second place, followed by Saskatchewan with \$3,017, Alberta \$2,977, Manitoba \$2,762, Newfoundland \$2,752, Quebec \$2,695, etc. The high figure shown for Yukon and Northwest Territories in regard to average earnings of production workers is due to the unusual conditions under which industry is carried on in these regions, and is not representative. Statistics of the distribution of employees by provinces and industrial groups as well as average annual earnings are given in Table 33.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1955 with Totals for Significant Years, 1917-54

Year	Supervisory and office employees ²				Production workers			
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	No.	No.	\$	\$	No.	No.	\$	\$
1917		64,918	85,353,667	1,315	541,605		412,448,177	762
1920		78,334	141,837,361	1,811	520,559		575,656,515	1,106
1922		71,586	129,836,831	1,814	384,670		359,560,399	935
1924	54,379	15,641	130,344,822	1,862	322,719	94,871	404,122,853	968
1926 ¹	58,245	17,092	142,353,900	1,890	374,244	109,580	483,328,342	999
1929 ¹	67,731	21,110	175,553,710	1,976	454,768	122,922	601,737,507	1,042
1930 ¹	64,161	20,550	169,992,216	2,007	416,790	113,195	527,563,162	995
1931 ²	71,198	20,293	172,289,095	1,883	337,636	99,513	415,277,895	950
1932	68,264	18,786	151,355,790	1,739	288,817	92,966	322,245,926	844
1933	67,875	18,761	139,317,946	1,608	287,266	94,756	296,929,878	777
1934	71,963	20,132	148,760,126	1,615	326,598	101,119	355,090,929	830
1935	76,213	21,717	160,455,080	1,638	353,790	104,944	399,012,697	870
1936	81,409	23,008	173,198,057	1,659	379,977	109,965	438,873,377	896
1937	91,092	24,735	195,983,475	1,692	427,285	117,339	525,743,562	965
1938	95,270	25,319	207,386,381	1,719	409,172	112,255	498,282,208	956
1939	98,165	26,607	217,839,334	1,746	415,488	117,854	519,971,819	975
1940	104,267	31,493	241,599,761	1,780	491,439	135,045	679,273,104	1,084
1941	117,251	41,693	286,336,861	1,801	626,825	175,409	978,525,782	1,220
1942	123,125	54,062	334,870,793	1,890	732,319	242,585	1,347,934,049	1,383
1943	128,679	64,516	388,857,505	2,013	762,854	285,019	1,598,434,879	1,525
1944	126,858	65,700	418,065,594	2,171	744,635	285,689	1,611,555,776	1,564
1945	128,601	62,106	417,857,619	2,191	680,620	248,045	1,427,915,830	1,538
1946	127,002	54,004	410,875,776	2,270	662,699	214,451	1,329,811,478	1,516
1947	135,248	55,852	474,693,800	2,484	721,407	219,243	1,611,232,166	1,713
1948	141,038	57,192	532,594,959	2,687	738,721	218,770	1,876,773,231	1,960
1949	157,516	64,035	628,427,937	2,836	732,457	217,199	1,963,462,720	2,067
1950	164,475	66,578	692,633,349	2,998	736,477	215,767	2,078,634,086	2,183
1951	176,943	70,844	816,714,604	3,296	792,394	218,194	2,459,566,313	2,434
1952	188,235	74,792	923,905,251	3,513	810,060	215,295	2,713,714,909	2,647
1953	195,843	78,382	1,016,679,409	3,707	828,363	224,863	2,940,338,939	2,792
1954	199,763	79,173	1,075,101,215	3,854	779,955	209,075	2,821,586,476	2,853

1. The averages of the number of production workers and earnings for the years 1931 to 1955 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years — as for the earliest — represent the earnings for complete man-years of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

2. The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were required to report themselves as production workers. In 1931 and subsequent years, however, all such proprietors reported themselves as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1955 with Totals for Significant Years, 1917-54 — Concluded

Year	Supervisory and office employees ²				Production workers			
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	No.	No.	\$	\$	No.	No.	\$	\$
Provinces, 1955								
Newfoundland	1,852	329	6,091,470	2,793	6,959	1,221	22,512,998	2,752
Prince Edward Island	357	98	962,201	2,115	955	359	2,111,884	1,607
Nova Scotia	3,754	1,076	14,456,233	2,993	22,012	3,376	62,099,690	2,446
New Brunswick	2,696	859	11,108,907	3,125	15,913	2,966	45,574,438	2,414
Quebec	64,815	24,803	354,837,904	3,959	247,984	91,973	916,240,049	2,695
Ontario	103,142	43,679	610,157,207	4,156	373,813	93,238	1,478,748,420	3,166
Manitoba	6,344	2,390	31,719,240	3,632	25,082	7,502	89,999,333	2,762
Saskatchewan	2,383	871	9,973,963	3,065	7,264	972	24,851,548	3,017
Alberta	6,384	1,995	27,760,078	3,313	22,991	3,476	78,788,737	2,977
British Columbia	15,119	4,478	79,930,870	4,079	73,639	9,172	273,879,857	3,307
Yukon and Northwest Territories	35	10	144,013	3,200	109	16	460,494	3,684
Canada totals, 1955	206,881	80,588	1,147,142,086	3,990	796,721	214,271	2,995,267,448	2,963
Industrial groups, 1955								
Foods and beverages	25,698	10,434	128,857,099	3,566	107,325	36,628	369,929,478	2,570
Tobacco and tobacco products	793	428	5,778,275	4,732	3,278	5,030	23,668,616	2,849
Rubber products	3,665	1,494	20,926,441	4,056	12,984	3,770	52,848,523	3,154
Leather products	2,671	1,221	14,717,680	3,782	15,190	11,493	54,252,596	2,033
Textiles	8,397	4,247	50,921,133	4,027	35,815	20,685	136,883,911	2,423
Knitting mills	1,409	1,197	9,192,965	3,528	6,384	12,668	38,015,243	1,995
Clothing	7,402	4,410	46,444,787	3,932	22,064	55,810	149,991,692	1,926
Wood products	21,431	3,531	71,860,965	2,879	103,276	5,435	282,578,932	2,599
Paper products	11,309	4,454	79,547,953	5,046	65,858	8,129	270,229,096	3,652
Printing, publishing and allied industries	17,056	10,629	94,464,145	3,412	33,313	8,604	140,115,713	3,343
Iron and steel products	30,473	10,352	174,476,424	4,274	134,125	6,750	493,180,655	3,501
Transportation equipment	22,737	6,164	131,587,688	4,553	99,243	3,645	358,847,308	3,488
Non-ferrous metal products	8,275	2,812	50,902,785	4,591	39,210	3,014	150,207,094	3,557
Electrical apparatus and supplies	17,931	7,013	101,455,460	4,067	35,410	15,890	162,576,014	3,169
Non-metallic mineral products	5,470	1,735	29,503,184	4,095	29,718	2,026	101,503,547	3,198
Products of petroleum and coal	4,782	1,547	28,213,364	4,458	11,094	63	44,223,195	3,964
Chemicals and allied products	12,349	6,300	78,441,944	4,206	27,362	5,845	106,825,999	3,217
Miscellaneous industries	5,033	2,620	29,849,794	3,900	15,072	8,786	59,389,836	2,489

Average Annual Earnings in the Forty Leading Industries— Variations in average earnings are related to the number of employees in industries or areas where pay levels are above or below the average because of differences in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, in levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industry, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

In 1955 there were three industries paying office workers \$5,000 or over, as compared with none in 1951. Indicative of the rapidly changing pattern of remuneration in manufacturing is the fact that in 1945, the last year of the war, no industry paid office workers annual salaries of over \$3,000. The highest average earnings in that year were \$2,935 reported by the brewing industry. Highest average earnings in 1955, amounting to \$5,636 were received by the office and supervisory employees of the pulp and paper industry which held the premier position for a number of years. Breweries with \$5,539 and non-ferrous

metal smelting and refining with \$5,167 were the two other industries with salaries of \$5,000 and over. There were six industries with average salaries of \$4,500 to \$5,000. These were: motor vehicles \$4,977, primary iron and steel \$4,936, acids, alkalis and salts \$4,745, bridge building and structural steel \$4,743, motor vehicle parts \$4,711 and petroleum products \$4,570. In nineteen other industries average salaries ranged between \$4,000 and \$4,500, in eight they were between \$3,500 and \$4,000, while in the remaining four they were below \$3,500. Sash, door and planing mills with \$3,140, bread and other bakery products \$2,888, butter and cheese \$2,690 and sawmills \$2,184 were the four industries in this category. Average salaries in the forty leading industries totalled \$4,084 as compared with \$3,789 for the smaller industries. The lower average is due in part to a higher proportion of female office employees in the smaller industries. In the forty leading industries 26 p.c. of the office employees were female while in the smaller industries 33 p.c. were in this category.

The increase in the average earnings of production workers since 1945 paralleled that of office and supervisory employees. Whereas in 1945 there were only four industries averaging over \$2,000, in 1955 the number jumped to thirty-six. In 1945 the highest annual earnings, amounting to \$2,365, were paid by the motor vehicle industry, while in 1955 the highest earnings which

totalled \$4,189 were paid by the petroleum products industry which has been in first place for a number of years. The highest earnings are usually paid by industries in which the proportion of skilled workers is high, and the proportion of female workers is low. Three industries in 1955 had average annual earnings of \$4,000 or more. These were: petroleum products \$4,189, primary iron and steel \$4,089 and pulp and paper \$4,004. Eight other industries had annual averages of \$3,500 to \$4,000. Non-ferrous metal smelting and refining \$3,933, acids, alkalies and salts \$3,856, motor vehicles \$3,764, breweries \$3,705, bridge building and structural steel \$3,665, aircraft \$3,661, printing and publishing \$3,665, and wire and wire goods \$3,539 were in this category. In fifteen other industries average an-

nual earnings ranged between \$3,000 and \$3,500, in ten others they were between \$2,400 and \$3,000, while in the remaining four they were below \$2,000. This last group includes industries made up of a large number of small establishments and in which the proportion of female workers is high. Men's factory clothing, women's factory clothing, leather footwear and fruit and vegetable preparations are the industries included in this group. Average annual earnings of production workers in the forty leading industries amounted to \$3,120 as compared with \$2,610 for the smaller industries. The lower average for the smaller industries is due mainly to a higher proportion of female workers. Employment by sex, and average annual earnings in the forty leading industries are given in Table 34.

TABLE 34. Annual Earnings in the Forty Leading Industries, 1955

Note: Industries ranked according to the aggregate salaries and wages paid

No.	Industry	Supervisory and office employees				Production workers			
		Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
		No.	No.	\$	\$	No.	No.	\$	\$
1	Pulp and paper	7,559	2,374	55,980,812	5,636	51,498	774	209,317,307	4,004
2	Sawmills	11,425	853	26,812,447	2,184	45,870	438	125,744,372	2,715
3	Primary iron and steel	3,703	979	23,108,918	4,936	27,636	189	113,770,485	4,089
4	Motor vehicles	5,736	1,557	36,296,523	4,977	25,790	346	98,365,235	3,764
5	Aircraft and parts	9,092	2,622	52,198,947	4,456	20,746	576	78,070,062	3,661
6	Non-ferrous metal smelting and refining	3,954	647	23,771,907	5,167	23,956	49	94,417,471	3,933
7	Printing and publishing	8,658	4,951	48,471,807	3,562	14,204	2,042	59,372,279	3,655
8	Bread and other bakery products	3,711	1,318	14,522,303	2,888	22,396	6,991	73,237,701	2,492
9	Machinery, industrial	5,435	2,104	31,060,027	4,120	15,686	613	55,469,678	3,403
10	Railway rolling stock	2,474	337	12,411,551	4,415	22,554	35	73,846,072	3,269
11	Furniture	4,161	1,280	19,933,258	3,664	23,197	1,985	64,309,128	2,554
12	Slaughtering and meat packing	3,918	1,286	22,034,636	4,234	15,107	3,344	60,972,310	3,305
13	Miscellaneous electrical apparatus	4,594	2,054	27,671,784	4,162	11,526	5,118	54,453,373	3,272
14	Machinery, heavy electrical	5,946	2,259	33,548,235	4,089	11,176	2,835	48,356,668	3,451
15	Printing and bookbinding	4,323	2,016	23,363,753	3,686	13,144	5,037	53,088,784	2,920
16	Motor vehicle parts	2,966	995	18,662,232	4,711	13,662	2,373	55,919,007	3,487
17	Rubber goods, including footwear	3,665	1,494	20,926,441	4,056	12,984	3,770	52,848,523	3,154
18	Clothing, men's factory	2,536	1,521	16,142,829	3,979	8,195	19,193	52,666,466	1,923
19	Sheet metal products	2,999	1,115	17,756,589	4,316	13,343	1,623	48,906,228	3,268
20	Telecommunication equipment	4,621	1,732	27,526,908	4,333	6,317	6,366	34,214,382	2,698
21	Clothing, women's factory	2,001	1,460	14,543,530	4,202	5,538	17,926	46,911,850	1,999
22	Petroleum products	4,010	1,261	24,088,434	4,570	8,011	58	33,803,953	4,189
23	Butter and cheese	3,255	1,668	13,240,683	2,690	14,715	806	43,429,853	2,798
24	Cotton yarn and cloth	2,034	1,179	11,905,273	3,705	11,890	6,434	44,505,777	2,429
25	Shipbuilding	1,966	511	9,868,409	3,984	14,248	104	46,299,249	3,226
26	Castings, iron	1,814	690	10,727,761	4,284	12,502	260	44,546,237	3,491
27	Sash door and planing mills	3,367	644	12,595,812	3,140	16,047	181	39,589,866	2,440
28	Synthetic textiles and silk	2,669	1,177	15,890,590	4,132	8,828	2,734	31,036,660	2,684
29	Bridge building and structural steel	2,325	534	13,561,580	4,743	8,984	20	32,995,564	3,665
30	Hardware, tools and cutlery	1,915	979	12,357,099	4,270	8,704	1,517	32,224,399	3,153
31	Boxes and bags, paper	1,743	875	10,810,471	4,129	7,589	4,406	33,179,592	2,766
32	Miscellaneous chemical products	2,823	1,156	17,078,074	4,292	7,125	1,594	26,865,083	3,081
33	Footwear, leather	1,598	784	8,913,779	3,742	9,222	8,225	33,926,151	1,945
34	Agricultural implements	2,225	576	11,244,548	4,014	8,858	94	30,684,492	3,428
35	Miscellaneous iron and steel products	2,037	553	11,001,652	4,248	8,131	486	28,830,355	3,346
36	Fruit and vegetable preparations	1,957	1,004	11,275,137	3,808	7,209	6,981	27,664,439	1,950
37	Acids, alkalies and salts	2,112	586	12,801,557	4,745	5,847	52	22,746,294	3,856
38	Breweries	1,457	389	10,224,567	5,539	6,445	77	24,163,118	3,705
39	Wire and wire goods	1,417	601	8,666,174	4,294	6,541	702	25,635,300	3,539
40	Brass and copper products	1,366	580	8,604,260	4,422	6,411	507	23,669,781	3,421
Totals, forty leading industries		145,567	50,701	801,601,297	4,084	581,832	116,861	2,180,053,544	3,120
Totals, other industries		61,314	29,887	345,540,789	3,789	214,889	97,410	815,213,904	2,610
Totals, all industries		206,881	80,588	1,147,142,086	3,990	796,721	214,271	2,995,267,448	2,963

Average Annual, Weekly and Hourly Earnings of Production Workers.— In comparing earnings by provinces or groups, consideration should be given to the type of industries in each case since the distribution of industries has a very definite regional significance. In some industries a labour force possessing deftness and speed or the ability to exercise muscular strength is necessary, in others the labour force must exercise craftsmanship or possess a high degree of technical knowledge. Workers in the latter industries naturally command relatively higher payments than those employed in industries whose employees are routine workers.

The ranking of provinces and industries as regards annual earnings is in many cases different to that of weekly or hourly earnings since the factors of number of weeks worked per year and number of hours worked per week enter into the picture. So that, while in general the same observations apply, a close study of the differences between the averages shown in Tables 33 and 34 will be of value.

The figures for the years 1934 to 1945 given in Table 35 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such a case it coincides for a great number of firms engaged in the same industry. The figures since 1946 are based on returns received from establishments employing 15 hands or over, and for 1946 and 1947 they refer to the last week in the month of November, whereas for 1948-1955 they refer to the last week in the month of October.

Average weekly earnings of male production workers for manufacturing as a whole amounted to \$66.86 in 1955, an increase of \$19.53 or 41 p.c. as compared with 1949. Average hourly earnings advanced from \$1.07 in 1949 to \$1.57 in 1955, an increase of 47 p.c., while annual earnings at \$3,267 were 43 p.c. higher. There are wide regional and industrial variations in hourly earnings. British Columbia is the highest paying province, hourly earnings for male production workers being \$1.81 in 1955 as compared with \$1.57 for Canada as a whole. Ontario with \$1.64 was second while Prince Edward Island with \$1.02 was the lowest. On an industrial basis, male workers in the products of petroleum and coal industries were the highest paid with an hourly average of \$1.97, while the leather and textile groups has the lowest average of \$1.20.

Female production workers received on an average \$37.52 per week in 1955, an increase of \$10.34 or 38 p.c. since 1949. Hourly earnings at 95 cents were 39 p.c. higher, while annual earnings at \$1,833 were also 39 p.c. higher. In the case of females, British Columbia with \$1.12 per hour was also the highest paying province, while Newfoundland and Prince Edward Island with 55 cents were the lowest. The transportation equipment group with \$1.28 per hour paid the highest wages to its female production workers, and the leather products group the lowest with 81 cents per hour. The leather products group had the lowest hourly earnings for both male and female production workers.

The following table gives the weekly and hourly earnings of male and female production workers for each province and major industrial group for the year 1955.

For the method used in calculating average annual earnings for male and female workers separately, see text preceding Table 38.

Average Weekly and Hourly Earnings of Male and Female Production Workers, by Provinces and Industrial Groups, 1955

Province and Industrial Group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
	\$	\$	\$	\$
Provinces				
Newfoundland	61.17	1.46	20.72	0.55
Prince Edward Island	45.82	1.02	23.17	0.55
Nova Scotia	55.62	1.34	24.70	0.62
New Brunswick	58.82	1.34	28.33	0.73
Quebec	63.69	1.43	35.53	0.89
Ontario	69.25	1.64	40.06	1.02
Manitoba	63.38	1.50	34.19	0.87
Saskatchewan	63.70	1.51	36.00	0.99
Alberta	65.16	1.56	39.31	1.04
British Columbia	72.14	1.81	40.96	1.12
Canada	66.86	1.57	37.52	0.95
Industrial Groups				
Foods and beverages	59.16	1.36	33.96	0.89
Tobacco and tobacco products	66.30	1.60	51.84	1.31
Rubber products	70.87	1.63	45.18	1.11
Leather products	50.00	1.20	31.54	0.81
Textile products (except clothing)	54.21	1.20	38.22	0.93
Clothing, including knitting mills	55.56	1.33	32.90	0.85
Wood products	57.29	1.31	41.94	1.03
Paper products	76.26	1.77	39.17	0.96
Printing, publishing and allied industries	78.17	1.92	36.61	0.96
Iron and steel products	71.76	1.68	47.59	1.19
Transportation equipment	68.45	1.69	49.28	1.28
Non-ferrous metal products	72.41	1.72	39.13	0.96
Electrical apparatus and supplies	71.75	1.65	48.15	1.20
Non-metallic mineral products	68.06	1.50	43.97	1.09
Products of petroleum and coal	81.71	1.97	—	—
Chemicals and allied products	68.31	1.63	39.23	1.00
Miscellaneous industries	59.57	1.35	35.29	0.87

TABLE 35. Average Annual, Weekly and Hourly Earnings of Production Workers, Employed in the Manufacturing Industries, 1934-55

Note. Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1934	830	18.30	0.372	930	20.31	0.407 ¹	539	11.80	0.251 ¹
1935	870	18.50	0.380	966	20.41	0.413 ¹	570	12.04	0.259 ¹
1936	896	18.96	0.389	995	20.92	0.423 ¹	577	12.20	0.262 ¹
1937	965	2	2	2	2	2	2	2	2
1938	956	19.49	0.417	1,055	21.49	0.454	594	12.10	0.271
1939	975	20.14	0.427	1,076	22.23	0.462	619	12.78	0.283
1940	1,084	22.35	0.446	1,202	24.82	0.488	655	13.52	0.286
1941	1,220	24.95	0.494	1,355	27.72	0.538	736	15.05	0.316
1942	1,383	28.18	0.561	1,558	31.75	0.619	854	17.41	0.371
1943	1,525	29.87	0.612	1,726	33.80	0.671	987	19.33	0.431
1944	1,564	31.05	0.654	1,761	34.95	0.712	1,051	20.89	0.479
1945	1,538	30.98	0.669	1,739	35.04	0.736	984	19.84	0.465
1946 ³	1,516	32.38	0.741	1,702	36.23	0.807	943	20.08	0.502
1947 ³	1,713	37.19	0.851	1,909	41.35	0.921	1,067	23.11	0.582
1948 ³	1,960	41.25	0.946	2,175	45.73	1.023	1,233	25.91	0.651
1949 ³	2,067	42.61	0.994	2,291	47.33	1.066	1,315	27.18	0.683
1950 ³	2,183	45.94	1.056	2,419	50.93	1.142	1,376	29.00	0.725
1951 ³	2,434	51.32	1.222	2,693	56.46	1.313	1,492	31.27	0.825
1952 ³	2,647	55.17	1.295	2,915	60.85	1.402	1,638	34.17	0.863
1953 ³	2,792	56.75	1.359	3,082	62.71	1.471	1,723	35.07	0.910
1954 ³	2,853	57.99	1.398	3,145	63.98	1.513	1,764	35.90	0.933
1955 ³	2,963	60.53	1.442	3,267	66.86	1.566	1,833	37.52	0.952

1. Estimated on the basis of hours worked by female workers in 1938 and 1939 as compared with those worked by male workers in these years.

2. Not available.

3. Prior to 1946 the figures refer to week of highest employment and cover all establishments while for 1946 and 1947 they refer to the last week in November and for 1949 to 1955 the last week in October for establishments employing 15 hands and over only.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-55

(Statistics for the years 1938-45 are published on page 60 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Newfoundland:									
1949 ¹	2,392	—	—	—	—	—	—	—	—
1950	2,626	46.52	99.2	2,919	50.85	106.6	1,016	17.72	42.3
1951 ²	2,350	52.37	115.1	2,613	56.80	123.2	852	18.51	45.7
1952	2,479	54.42	123.4	2,705	58.78	131.8	903	19.62	48.8
1953	2,549	57.11	132.1	2,735	60.50	138.2	911	20.13	53.8
1954	2,820	57.57	134.5	3,059	61.67	142.5	1,043	21.01	54.8
1955	2,752	56.93	137.1	3,053	61.17	145.9	1,035	20.72	54.5
Prince Edward Island:									
1946	911	21.51	46.2	1,097	25.42	54.2	555	12.87	28.6
1947	976	24.75	54.6	1,131	28.01	59.6	613	15.19	37.7
1948	1,149	27.66	60.4	1,317	30.68	65.7	715	16.66	39.1
1949	1,145	29.76	62.4	1,323	33.96	70.6	718	18.45	39.6
1950	1,220	30.36	69.0	1,456	35.97	78.2	667	16.46	42.0
1951	1,312	34.10	74.3	1,521	38.33	82.6	808	20.34	45.8
1952	1,455	43.53	96.3	1,719	48.13	104.4	801	22.41	54.8
1953	1,616	38.07	83.1	1,846	42.94	93.0	1,032	24.02	53.8
1954	1,591	39.55	87.5	1,832	44.47	97.1	967	23.48	54.6
1955	1,607	39.76	89.8	1,857	45.82	101.5	940	23.17	55.1

1. Dash indicates that the information is not available.

2. The average annual earnings are calculated on the basis of the total amount paid during the year as reported to census of industry, while the weekly earnings are based on an analysis of the pay-list for the last week in October and only cover establishments employing 15 hands or over. The drop in the average annual earnings is due in part to these factors as well as to the fact that in 1951 statistics for the processing of fish in Newfoundland were included with manufactures for the first time. As this is a seasonal industry annual earnings are, therefore, lower. In 1951 average annual earnings of production workers for both sexes for this industry averaged \$1,151 as compared with \$2,806 for the other industries of the province.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-55 - Continued

Province and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Nova Scotia:									
1946	1,398	31.44	68.8	1,502	33.90	73.7	762	17.18	39.4
1947	1,461	34.58	75.5	1,584	37.47	81.1	744	17.62	40.6
1948	1,680	37.74	82.4	1,810	40.66	88.4	901	20.25	45.5
1949	1,810	39.56	88.9	1,959	42.87	95.7	911	19.94	46.8
1950	1,852	39.74	88.7	2,002	42.98	95.5	873	20.39	47.8
1951	2,024	44.77	103.4	2,179	48.30	111.3	998	22.14	51.6
1952	2,187	46.89	110.6	2,349	50.41	118.9	1,113	23.89	56.2
1953	2,313	49.27	118.3	2,494	53.15	127.4	1,100	23.45	56.9
1954	2,337	48.37	117.6	2,520	52.41	126.5	1,106	23.01	58.5
1955	2,446	51.53	124.6	2,641	55.62	133.7	1,173	24.70	62.0
New Brunswick:									
1946	1,390	30.54	66.4	1,528	33.58	71.9	781	17.16	40.0
1947	1,570	33.55	73.9	1,714	37.05	79.5	890	19.22	47.7
1948	1,741	38.03	83.5	1,915	41.55	88.4	1,015	22.04	52.6
1949	1,823	38.64	85.1	1,993	42.18	90.9	1,114	23.71	57.4
1950	1,865	40.68	90.4	2,035	44.45	96.0	1,099	24.01	61.1
1951	2,087	46.87	105.8	2,275	51.42	113.0	1,189	25.86	68.7
1952	2,201	48.33	109.6	2,376	52.19	116.5	1,340	29.42	72.1
1953	2,326	49.93	117.0	2,534	54.48	124.4	1,234	26.51	71.6
1954	2,375	51.28	120.5	2,594	55.16	127.4	1,209	25.70	68.4
1955	2,414	54.37	125.8	2,628	58.82	133.9	1,267	28.33	72.7
Quebec:									
1946	1,445	30.51	67.2	1,660	34.95	74.2	926	19.49	47.3
1947	1,601	34.82	76.7	1,830	39.66	84.2	1,016	22.02	54.1
1948	1,829	38.60	85.4	2,077	43.80	93.6	1,190	25.11	61.4
1949	1,907	39.61	89.0	2,171	45.19	97.6	1,246	25.93	64.5
1950	1,995	42.21	94.0	2,273	48.15	103.1	1,305	27.65	68.1
1951	2,216	47.26	109.9	2,528	53.58	119.6	1,385	29.37	77.7
1952	2,413	50.64	115.1	2,741	57.74	126.9	1,519	32.00	79.8
1953	2,558	52.48	122.5	2,911	59.72	134.5	1,592	32.67	84.8
1954	2,614	53.04	125.3	2,961	60.23	137.9	1,661	33.80	87.2
1955	2,695	55.84	128.9	3,061	63.69	142.6	1,708	35.53	89.2
Ontario:									
1946	1,552	33.26	77.7	1,738	37.09	84.3	963	20.53	52.9
1947	1,792	38.57	89.7	1,958	42.70	96.6	1,153	24.13	62.2
1948	2,060	42.86	99.5	2,273	47.10	107.3	1,300	26.92	69.2
1949	2,187	44.34	103.6	2,405	48.88	111.6	1,400	28.45	72.2
1950	2,328	48.46	112.7	2,560	53.33	121.2	1,472	30.69	77.7
1951	2,602	53.87	129.5	2,848	58.60	139.2	1,635	33.66	88.6
1952	2,840	58.27	138.4	3,094	63.60	148.6	1,783	36.78	93.6
1953	2,980	59.34	143.5	3,257	65.00	154.6	1,892	37.74	97.5
1954	3,026	60.83	147.7	3,304	66.54	159.0	1,916	38.56	100.0
1955	3,166	63.25	152.2	3,457	69.25	164.4	1,998	40.06	101.8
Manitoba:									
1946	1,491	31.16	72.8	1,662	34.51	78.8	949	19.72	49.8
1947	1,634	35.59	82.0	1,818	39.20	88.1	1,049	22.63	57.0
1948	1,833	39.22	91.0	2,042	43.48	98.6	1,144	24.35	61.5
1949	1,900	41.06	94.6	2,114	45.39	102.0	1,222	26.24	66.1
1950	2,013	43.73	100.3	2,234	48.30	108.3	1,276	27.56	68.9
1951	2,270	48.46	116.5	2,532	53.21	125.5	1,382	29.07	75.7
1952	2,443	51.17	123.0	2,698	56.34	133.5	1,562	32.63	82.2
1953	2,619	53.48	130.8	2,925	59.21	142.0	1,580	31.98	84.4
1954	2,647	54.85	133.1	2,939	60.70	144.9	1,631	33.67	87.1
1955	2,762	57.10	137.1	3,090	63.38	149.7	1,666	34.19	87.4
Saskatchewan:									
1946	1,455	32.78	74.5	1,531	34.11	77.0	1,007	22.45	54.5
1947	1,643	36.63	84.5	1,726	39.16	87.5	1,106	25.10	62.3
1948	1,916	40.12	93.3	2,022	42.12	96.6	1,252	26.09	66.9
1949	2,042	41.34	97.5	2,142	43.33	101.0	1,384	27.99	71.4
1950	2,115	43.71	103.1	2,217	45.58	106.5	1,419	29.17	74.6
1951	2,363	49.18	118.8	2,473	51.58	123.4	1,568	32.69	84.7
1952	2,609	52.87	127.7	2,730	55.30	132.3	1,753	35.52	91.3
1953	2,785	56.33	136.9	2,909	58.73	141.2	1,865	37.62	99.5
1954	2,900	58.67	141.4	3,056	61.86	146.4	1,748	35.41	98.8
1955	3,017	60.13	145.3	3,181	63.70	151.2	1,797	36.00	98.6
Alberta:									
1946	1,477	32.40	75.0	1,582	34.50	79.3	981	21.38	51.4
1947	1,657	36.31	84.2	1,758	39.07	88.6	1,136	25.25	60.4
1948	1,890	41.35	95.5	2,005	43.80	100.0	1,251	27.31	67.1
1949	2,025	43.80	100.7	2,137	46.01	104.8	1,385	29.83	73.3
1950	2,113	44.86	105.3	2,223	47.09	109.5	1,445	30.61	77.1
1951	2,323	50.39	122.0	2,449	52.83	127.0	1,531	33.04	85.6
1952	2,518	55.10	133.1	2,653	58.30	138.8	1,661	36.48	95.5
1953	2,718	58.43	141.7	2,864	61.66	147.7	1,787	38.45	100.9
1954	2,870	60.82	146.9	3,037	64.00	152.1	1,795	37.81	103.2
1955	2,977	61.80	149.7	3,141	65.16	156.0	1,894	39.31	109.6

TABLE 36 Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-55 — Concluded

Province and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
British Columbia:									
1946	1,750	36.83	89.4	1,956	39.01	94.0	1,156	23.05	58.8
1947	1,934	41.55	103.6	2,045	43.55	107.8	1,229	26.19	68.2
1948	2,182	46.02	114.2	2,298	48.27	118.9	1,360	28.58	75.2
1949	2,282	47.36	118.1	2,410	49.82	123.0	1,381	28.57	76.8
1950	2,393	50.73	126.2	2,522	53.34	131.7	1,458	30.84	81.6
1951	2,723	58.65	150.0	2,871	61.70	156.2	1,599	34.36	95.7
1952	2,975	62.21	158.3	3,127	65.35	164.6	1,776	37.11	102.5
1953	3,108	64.76	164.1	3,277	68.10	170.9	1,842	38.28	105.1
1954	3,221	66.85	169.2	3,386	70.07	175.2	1,900	39.31	110.3
1955	3,307	68.88	174.1	3,473	72.14	180.7	1,973	40.96	112.4
Yukon and Northwest Territories ¹ :									
1946	2,249	—	—	—	—	—	—	—	—
1947	2,152	—	—	—	—	—	—	—	—
1948	2,824	—	—	—	—	—	—	—	—
1949	2,502	—	—	—	—	—	—	—	—
1950	2,523	—	—	—	—	—	—	—	—
1951	2,686	—	—	—	—	—	—	—	—
1952	3,366	—	—	—	—	—	—	—	—
1953	3,331	—	—	—	—	—	—	—	—
1954	3,376	—	—	—	—	—	—	—	—
1955	3,684	—	—	—	—	—	—	—	—

1. Dash indicates that the information is not available.

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-55

Group and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Foods and beverages:									
1946	1,389	29.15	66.4	1,574	33.09	72.4	869	18.27	47.1
1947	1,522	33.87	76.8	1,724	38.45	83.4	943	21.04	54.5
1948	1,718	36.56	83.1	1,945	41.68	90.8	1,064	22.31	58.8
1949	1,817	38.45	86.8	2,046	43.98	95.2	1,140	24.51	62.2
1950	1,914	39.99	91.3	2,159	45.84	100.3	1,194	25.35	65.0
1951	2,113	44.79	103.2	2,371	50.67	112.6	1,370	29.29	75.1
1952	2,285	47.75	110.8	2,564	54.36	121.6	1,467	31.12	79.6
1953	2,393	49.47	116.2	2,687	56.52	128.1	1,537	32.31	83.3
1954	2,482	50.17	120.1	2,786	57.20	132.1	1,577	32.40	85.5
1955	2,570	51.88	123.5	2,882	59.16	135.9	1,654	33.96	88.9
Tobacco and tobacco products:									
1946	1,168	23.85	55.6	1,468	30.06	65.9	995	20.37	49.2
1947	1,331	27.37	65.0	1,666	34.63	77.3	1,128	23.43	57.7
1948	1,717	35.53	83.6	2,105	44.15	98.1	1,438	31.23	75.8
1949	1,882	38.63	88.6	2,258	46.74	102.5	1,662	34.42	80.8
1950	2,011	40.92	98.6	2,361	48.33	112.4	1,799	36.83	90.5
1951	2,279	51.75	124.7	2,657	54.49	138.1	2,030	46.24	115.6
1952	2,526	50.96	124.9	2,975	60.24	141.4	2,231	45.18	113.8
1953	2,580	52.43	129.5	3,025	61.69	147.5	2,305	46.99	118.4
1954	2,703	56.28	138.9	3,113	64.82	154.0	2,441	50.85	128.7
1955	2,849	57.14	141.7	3,282	66.30	160.2	2,567	51.84	130.5
Rubber products:									
1946	1,567	36.78	82.1	1,769	41.09	90.1	1,031	23.96	56.7
1947	1,895	40.07	91.7	2,111	44.43	100.3	1,292	27.17	65.0
1948	2,108	45.22	104.2	2,338	49.84	112.5	1,481	31.17	76.4
1949	2,138	43.36	102.6	2,353	47.68	111.4	1,520	30.80	75.3
1950	2,326	48.83	112.0	2,563	53.97	122.1	1,625	34.23	81.9
1951	2,622	54.69	132.1	2,861	59.77	142.3	1,848	38.59	97.7
1952	2,858	58.04	137.2	3,117	63.60	148.6	2,039	41.62	102.5
1953	2,981	59.08	142.8	3,259	64.74	153.1	2,102	41.73	108.0
1954	2,992	59.91	144.1	3,237	64.82	154.2	2,133	42.69	106.7
1955	3,154	65.03	151.3	3,434	70.87	162.5	2,191	45.18	110.6
Leather products:									
1946	1,192	25.03	58.9	1,421	29.85	68.0	863	18.11	44.6
1947	1,315	28.25	68.9	1,563	33.51	79.4	938	20.11	51.3
1948	1,428	30.22	73.7	1,684	35.57	84.7	1,054	22.28	56.4
1949	1,528	30.84	76.9	1,807	36.39	88.1	1,131	22.77	59.3
1950	1,562	32.80	81.2	1,850	38.96	93.2	1,149	24.20	62.7
1951	1,684	33.61	89.4	1,992	39.71	102.6	1,251	24.95	69.3
1952	1,890	38.38	93.6	2,218	46.04	109.1	1,371	28.45	72.2
1953	1,928	37.90	98.4	2,310	45.27	113.6	1,437	28.18	76.7
1954	1,958	37.67	100.2	2,306	44.48	114.8	1,492	28.78	78.9
1955	2,033	42.04	103.6	2,417	50.00	119.8	1,525	31.54	80.7

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-55 — Continued

Group and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Textile products (except clothing):									
1946	1,271	24.13	55.1	1,453	28.33	60.8	1,019	19.87	48.1
1947	1,414	30.08	67.6	1,624	34.64	74.5	1,106	23.59	56.7
1948	1,707	34.10	76.8	1,946	38.93	83.9	1,349	26.98	65.0
1949	1,830	36.93	82.8	2,068	41.67	89.8	1,458	29.39	70.3
1950	1,909	39.38	88.1	2,141	44.17	95.4	1,527	31.49	74.8
1951	2,046	40.00	99.0	2,292	44.81	106.7	1,627	31.82	84.4
1952	2,223	45.68	105.0	2,477	50.73	113.5	1,798	36.93	85.9
1953	2,278	44.20	107.6	2,545	49.28	116.5	1,825	35.34	90.8
1954	2,348	47.43	110.4	2,629	52.93	119.5	1,861	37.46	92.3
1955	2,423	48.36	111.1	2,702	54.21	120.4	1,905	38.22	93.4
Clothing including knitting mills:									
1946	1,191	25.38	61.9	1,693	34.54	77.1	972	19.81	51.2
1947	1,309	26.92	67.8	1,889	39.17	91.3	1,052	21.81	56.8
1948	1,465	30.16	75.2	2,065	42.64	100.1	1,198	24.73	63.4
1949	1,542	30.46	77.7	2,170	43.31	104.1	1,261	25.17	65.9
1950	1,585	32.64	91.4	2,242	46.35	108.8	1,294	26.75	68.6
1951	1,691	33.21	90.5	2,393	47.14	121.5	1,380	27.28	76.2
1952	1,812	37.39	93.7	2,579	54.06	127.2	1,473	30.85	79.5
1953	1,886	37.15	97.3	2,667	53.33	131.4	1,547	30.94	84.7
1954	1,897	38.08	99.3	2,655	53.79	132.3	1,566	31.74	84.7
1955	1,940	38.96	98.4	2,725	55.56	133.3	1,613	32.90	84.8
Wood products:									
1946	1,337	30.94	68.6	1,366	31.73	69.9	904	21.02	50.9
1947	1,533	35.24	80.1	1,564	35.98	81.4	1,053	24.20	59.9
1948	1,727	39.16	89.0	1,758	40.00	90.5	1,199	27.30	66.9
1949	1,836	40.40	91.6	1,869	41.20	93.0	1,256	27.69	68.2
1950	1,925	43.61	98.9	1,957	44.48	100.4	1,335	30.34	74.0
1951	2,136	48.18	112.3	2,166	48.98	113.9	1,525	34.47	84.9
1952	2,279	51.86	118.4	2,312	52.80	120.0	1,637	37.36	90.9
1953	2,399	53.40	122.0	2,435	54.36	123.6	1,717	39.35	95.0
1954	2,484	54.52	126.2	2,521	55.41	127.7	1,787	39.29	97.7
1955	2,599	56.38	129.5	2,635	57.29	131.1	1,929	41.94	102.5
Paper products:									
1946	1,835	36.97	78.5	2,004	40.20	83.4	944	18.94	46.2
1947	2,140	44.04	93.3	2,316	47.38	98.5	1,093	22.36	54.0
1948	2,431	49.09	104.0	2,616	52.42	109.2	1,248	24.99	60.5
1949	2,535	49.74	105.6	2,721	53.31	111.3	1,350	26.44	63.1
1950	2,709	54.15	114.0	2,906	57.77	119.6	1,444	28.71	68.2
1951	3,130	63.98	137.6	3,347	67.87	143.8	1,630	33.05	80.8
1952	3,294	64.27	142.5	3,499	67.89	149.2	1,774	34.40	82.7
1953	3,434	66.85	153.4	3,648	70.77	160.8	1,842	35.77	89.4
1954	3,548	69.15	161.9	3,760	72.80	168.9	1,891	36.65	93.6
1955	3,652	72.34	168.3	3,858	76.26	176.5	1,983	39.17	95.6
Printing, publishing and allied industries:									
1946	1,609	34.57	82.3	1,882	40.53	93.6	869	18.71	48.6
1947	1,804	38.47	93.6	2,085	44.77	106.1	984	21.15	55.5
1948	2,082	42.90	104.9	2,395	49.52	117.9	1,109	22.94	60.7
1949	2,239	47.19	115.1	2,550	53.59	128.2	1,221	25.66	67.0
1950	2,413	50.30	124.5	2,747	57.64	139.9	1,277	26.80	70.7
1951	2,575	54.24	135.6	2,917	61.87	152.4	1,374	29.11	76.6
1952	2,818	59.64	149.1	3,179	67.84	167.1	1,500	32.00	84.2
1953	3,058	63.10	157.6	3,446	71.65	176.2	1,637	34.06	89.8
1954	3,179	66.24	164.6	3,577	74.85	183.7	1,688	35.35	92.1
1955	3,343	69.35	172.8	3,752	78.17	192.3	1,756	36.61	95.9
Iron and steel products:									
1946	1,731	36.87	82.3	1,940	37.89	84.2	1,133	22.11	52.9
1947	1,940	41.85	92.8	1,984	42.99	94.9	1,214	26.33	63.3
1948	2,257	46.64	104.1	2,305	47.61	105.8	1,443	29.83	71.7
1949	2,401	49.05	110.2	2,445	48.94	112.0	1,597	31.96	77.0
1950	2,534	52.23	118.7	2,581	53.18	120.6	1,665	34.28	82.8
1951	2,833	58.86	138.5	2,886	59.95	140.4	1,885	39.16	98.4
1952	3,109	63.09	147.4	3,159	64.05	149.3	2,088	42.35	105.6
1953	3,267	65.02	154.4	3,322	66.10	156.5	2,222	44.20	111.5
1954	3,275	65.75	158.2	3,330	66.82	160.2	2,258	45.33	116.5
1955	3,501	70.63	165.7	3,558	71.76	167.8	2,359	47.59	119.3
Transportation equipment:									
1946	1,897	39.85	94.2	1,921	40.45	95.4	1,187	24.99	62.0
1947	2,128	44.75	102.6	2,153	45.27	103.6	1,451	30.51	74.6
1948	2,419	48.90	113.2	2,442	49.33	114.2	1,687	34.07	83.7
1949	2,465	50.54	117.8	2,494	51.08	118.8	1,706	34.93	88.2
1950	2,647	55.05	125.7	2,690	55.67	126.8	1,825	37.91	94.3
1951	2,867	58.18	138.2	2,895	58.66	139.0	2,096	42.45	109.7
1952	3,095	64.13	151.6	3,127	64.66	152.5	2,201	45.51	118.2
1953	3,406	65.45	157.2	3,438	66.11	158.2	2,444	47.00	123.3
1954	3,390	67.74	164.1	3,419	68.37	165.2	2,523	50.46	131.5
1955	3,488	67.82	167.4	3,523	68.45	168.7	2,537	49.28	127.5

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-55 - Concluded

Group and Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Non-ferrous metal products:									
1946	1,713	35.51	80.7	1,833	37.78	84.9	1,014	20.90	51.1
1947	1,966	40.79	92.5	2,051	42.91	96.2	1,190	24.91	61.8
1948	2,251	45.26	103.1	2,350	47.45	107.1	1,349	27.23	68.9
1949	2,419	48.28	108.7	2,521	50.26	112.7	1,437	28.63	72.0
1950	2,516	50.34	113.9	2,619	52.51	118.0	1,490	29.88	75.0
1951	2,866	57.56	137.7	2,979	59.68	142.1	1,618	32.40	81.0
1952	3,131	62.35	148.1	3,250	64.52	152.9	1,771	35.18	85.8
1953	3,277	64.43	155.2	3,399	66.59	159.9	1,852	36.30	91.2
1954	3,417	66.61	159.6	3,533	68.75	164.3	1,922	37.43	93.5
1955	3,557	70.02	166.6	3,678	72.41	171.8	1,986	39.13	96.2
Electrical apparatus and supplies:									
1946	1,523	32.39	77.3	1,711	36.34	85.1	1,148	24.38	60.5
1947	1,817	39.11	91.8	2,011	43.28	99.5	1,396	30.04	73.8
1948	2,125	44.06	105.4	2,319	48.01	112.7	1,614	33.42	84.6
1949	2,298	46.10	109.5	2,493	50.38	117.7	1,740	35.18	87.3
1950	2,414	49.90	117.7	2,649	55.03	127.1	1,788	37.14	92.4
1951	2,873	56.03	135.0	2,932	61.24	144.1	1,982	41.41	107.0
1952	2,929	59.28	140.8	3,181	64.59	159.9	2,201	44.67	111.4
1953	2,994	60.65	145.1	3,298	67.24	159.0	2,259	46.05	114.8
1954	3,150	60.62	148.3	3,450	68.81	161.1	2,415	46.75	118.4
1955	3,169	63.35	149.7	3,529	71.75	164.9	2,368	48.15	119.8
Non-metallic mineral products:									
1946	1,547	32.78	71.1	1,614	34.11	73.2	1,039	21.97	52.3
1947	1,826	36.93	83.9	1,879	40.20	85.9	1,297	27.75	63.8
1948	2,080	43.20	93.1	2,138	44.46	95.0	1,443	30.00	70.1
1949	2,193	45.22	98.3	2,252	46.45	100.1	1,540	31.10	74.4
1950	2,338	48.72	105.0	2,408	50.26	107.4	1,500	31.32	75.3
1951	2,616	54.77	121.7	2,699	56.31	124.3	1,646	34.33	85.4
1952	2,842	58.27	129.2	2,931	60.20	132.3	1,750	35.94	89.4
1953	2,990	60.28	135.8	3,084	62.26	135.2	1,884	38.03	92.9
1954	3,125	64.03	143.4	3,205	65.57	149.9	2,045	41.84	103.3
1955	3,198	66.44	147.7	3,271	68.06	150.3	2,113	43.97	108.5
Products of petroleum and coal:									
1946	1,891	37.88	90.4	1,898	38.01	90.5	1,044	—	—
1947	2,129	44.02	104.6	2,136	44.06	104.7	1,175	—	—
1948	2,435	50.14	119.1	2,445	50.18	119.2	1,345	—	—
1949	2,602	52.54	125.4	2,613	52.58	125.5	1,435	—	—
1950	2,776	56.00	135.6	2,787	56.09	135.8	1,532	—	—
1951	3,172	67.15	162.2	3,181	67.32	162.6	1,750	—	—
1952	3,595	72.33	174.3	3,607	72.50	174.7	1,984	—	—
1953	3,729	76.96	184.8	3,739	77.17	185.2	2,056	—	—
1954	3,811	78.58	188.7	3,821	78.78	188.9	2,102	—	—
1955	3,964	81.44	196.2	3,974	81.71	196.5	2,186	—	—
Chemicals and allied products:									
1946	1,564	32.46	73.1	1,773	35.97	79.4	954	19.35	47.2
1947	1,787	37.14	84.8	1,981	40.90	91.5	1,066	21.99	54.7
1948	2,029	41.05	93.3	2,227	45.03	100.3	1,223	24.72	61.2
1949	2,194	43.28	97.7	2,404	47.40	105.1	1,334	26.32	64.5
1950	2,325	46.52	107.2	2,541	50.54	114.6	1,410	28.07	70.0
1951	2,612	52.78	123.6	2,845	57.03	131.7	1,579	31.64	79.9
1952	2,827	56.56	133.7	3,073	61.20	143.0	1,718	34.21	86.4
1953	2,995	58.72	138.9	3,255	63.57	148.3	1,823	35.63	90.2
1954	3,090	60.44	145.5	3,345	65.46	155.5	1,920	37.56	96.3
1955	3,217	63.20	152.4	3,478	68.31	162.8	1,994	39.23	100.1
Miscellaneous industries:									
1946	1,291	26.94	62.8	1,600	30.91	70.4	1,006	19.43	47.4
1947	1,450	31.18	73.7	1,703	35.75	81.8	1,080	22.67	57.1
1948	1,652	33.84	80.0	1,920	39.33	90.2	1,244	25.49	63.1
1949	1,718	35.14	82.1	2,006	41.33	93.4	1,292	26.66	65.5
1950	1,808	38.01	85.8	2,106	44.48	100.4	1,365	28.83	71.0
1951	2,063	41.63	99.6	2,411	48.93	113.0	1,529	31.01	78.5
1952	2,186	44.05	103.9	2,574	52.98	119.6	1,555	32.00	80.4
1953	2,343	47.47	112.4	2,760	56.37	128.8	1,673	34.17	85.4
1954	2,455	48.74	115.9	2,884	57.31	132.9	1,742	34.64	86.0
1955	2,489	49.76	116.6	2,930	59.57	135.1	1,735	35.29	86.8

Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees.—Beginning with 1946 the survey on weekly earnings and hours worked by production workers was expanded to include office employees as well. The survey covers establishments employing 15 hands or over and refers to the last week in November for 1946 and 1947, and to the last week in October for 1948-55. Earnings and hours worked are reported for male and female workers separately in 13 groups of hours, ranging from 30 hours or less to 65 hours or more. The earnings reported for the week is the gross amount paid before deductions for income tax, unemployment insurance, etc. Weekly

and hourly earnings as well as the hours worked are thus obtained directly from the tabulated results of the establishments covered. The annual earnings, however, have to be calculated as they are not directly obtained from the survey. To calculate annual earnings the results on weekly earnings are correlated with the results obtained through the annual Census of Industry. The following case will illustrate the method used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female

office employees with total payments of \$46,537,336. From the October survey on weekly earnings this group showed \$77.41 per week for male and \$34.88 per week for female office employees. The proportion of female to male earnings is therefore $\frac{.451}{\frac{\$34.88}{\$77.41}}$ Female employees are first reduced to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

$$\frac{\$46,537,336}{9,077 + .451 (3,573)} = \frac{\$46,537,336}{10,688} = \$4,354$$

Annual Earnings of Female Employees

$$\$4,354 \times .451 = \$1,964$$

In the foregoing calculation the assumption is made that annual earnings of male and female employees vary in the same proportion as their weekly earnings. In the above illustration it may also be noted that the calculated annual earnings for male employees amounting to \$4,354 are higher than the weekly earnings multiplied by 52 which total only \$4,025 (\$77.41x52). This difference is due to the fact that the earnings reported to the Census of Industry include payments to executives as well as bonuses to employees which are usually paid at the end of the year, while the earnings reported for the one week in the year exclude such payments.

It is the intention in future to alternate the system of classifying employees. One year the basis will be the hours worked per week and the following year it will be on the basis of the earnings per week. Information will thus be made available on both the number of hours worked as well as the range of weekly earnings of employees engaged in manufacturing.

Annual earnings of male office employees in 1955 averaged \$4,636, weekly earnings \$93.50 and hourly earnings \$2.36. For female office employees annual earnings averaged \$2,332, weekly earnings \$47.02 and hourly earnings \$1.24. Average annual earnings of all office employees totalled \$3,990 in 1955, an increase of 76 p.c. since 1946. Weekly earnings at \$80.57 were 84 p.c. higher and hourly earnings at \$2.06 were 93 p.c. higher. Male employees in the products of petroleum and coal group received the highest salaries of \$121.46 per week. Paper products came second with \$111.47 and leather products last with \$78.49. In the case of female employees, salaries paid by the tobacco and tobacco products group at \$56.74 per week were the highest. Products of petroleum and coal with \$54.77 was second and leather products with \$39.81 last.

The following table gives the weekly and hourly earnings of male and female office workers for each province and major industrial group for the year 1955.

Average Weekly and Hourly Earnings of Male and Female Supervisory and Office Employees by Provinces and Industrial Groups, 1955

Province and Industrial Group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
	\$	\$	\$	\$
Province				
Newfoundland	81.87	1.97	39.85	0.98
Prince Edward Island	65.59	1.59	33.96	0.84
Nova Scotia	76.48	1.82	37.88	0.99
New Brunswick	79.35	1.92	37.70	0.99
Quebec	91.26	2.30	46.74	1.23
Ontario	96.52	2.46	48.03	1.27
Manitoba	81.04	2.02	40.76	1.07
Saskatchewan	76.35	1.88	42.88	1.08
Alberta	86.18	2.13	43.61	1.13
British Columbia	97.12	2.44	47.53	1.24
Canada	93.50	2.36	47.02	1.24
Industrial group				
Foods and beverages	83.50	2.06	44.67	1.17
Tobacco and tobacco products	98.20	2.58	56.74	1.52
Rubber products	86.67	2.21	43.95	1.15
Leather products	78.49	1.92	39.81	1.05
Textile products (except clothing)	88.74	2.17	42.83	1.12
Clothing, including knitting mills	83.18	2.04	43.34	1.12
Wood products	86.58	2.07	44.02	1.15
Paper products	111.47	2.93	49.55	1.34
Printing, publishing and allied industries	84.02	2.22	43.84	1.18
Iron and steel products	93.18	2.38	46.77	1.24
Transportation equipment	98.30	2.43	50.98	1.30
Non-ferrous metal products	99.21	2.54	49.75	1.31
Electrical apparatus and supplies	95.57	2.44	50.38	1.32
Non-metallic mineral products	92.20	2.30	46.97	1.25
Products of petroleum and coal	121.46	3.27	54.77	1.51
Chemicals and allied products	96.63	2.50	49.53	1.31
Miscellaneous industries	91.55	2.29	45.45	1.21

TABLE 38. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Workers Employed in the Manufacturing Industries, 1946-55

Year	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1946	2,270	43.85	1.067	2,680	53.21	1.267	1,305	25.91	0.656
1947	2,484	49.78	1.232	2,933	60.21	1.461	1,396	28.68	0.737
1948	2,687	52.91	1.313	3,147	63.47	1.544	1,551	31.26	0.805
1949	2,836	54.85	1.368	3,317	65.37	1.602	1,655	32.62	0.845
1950	2,998	58.74	1.480	3,507	69.35	1.725	1,739	34.38	0.895
1951	3,296	65.98	1.670	3,852	77.55	1.939	1,907	38.42	1.006
1952	3,513	70.75	1.796	3,985	82.60	2.070	2,323	41.26	1.086
1953	3,707	73.87	1.894	4,327	86.43	2.188	2,159	43.13	1.138
1954	3,854	77.81	1.995	4,499	90.99	2.309	2,227	45.00	1.187
1955	3,990	80.57	2.061	4,636	93.50	2.361	2,332	47.02	1.241

TABLE 39. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Provinces, 1946-55

Year and Province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Newfoundland:									
1950	1,921	54.95	128.9	2,087	63.33	146.7	868	26.55	66.6
1951	2,383	62.04	144.3	2,604	70.71	163.3	1,135	30.80	73.3
1952	2,345	62.62	146.7	2,529	71.47	166.2	1,275	31.55	76.4
1953	2,403	68.54	164.0	2,620	78.07	185.9	1,554	34.44	84.0
1954	2,687	71.39	175.4	2,922	80.34	196.4	1,365	37.55	94.1
1955	2,793	73.59	177.8	3,028	81.87	196.8	1,475	39.85	97.7
Prince Edward Island:									
1950	1,571	40.35	98.4	1,747	48.55	118.5	896	24.92	60.6
1951	1,715	46.90	108.1	1,918	55.98	126.4	917	26.75	64.8
1952	1,909	49.63	120.2	2,117	59.33	142.3	1,050	29.40	72.4
1953	2,009	53.69	132.6	2,260	64.81	158.1	1,087	31.15	78.5
1954	1,990	50.04	123.6	2,241	58.50	143.4	1,172	30.60	77.0
1955	2,115	55.82	136.1	2,358	65.59	158.8	1,221	33.96	84.1
Nova Scotia:									
1946	1,788	39.89	92.5	2,020	46.36	106.2	1,026	23.54	57.8
1947	1,903	45.34	108.2	2,145	53.44	125.4	1,030	25.87	64.2
1948	2,036	48.42	116.1	2,292	56.49	133.2	1,107	27.29	68.4
1949	2,179	50.47	124.6	2,455	59.45	145.3	1,169	28.29	71.4
1950	2,335	52.55	128.8	2,635	61.20	149.3	1,257	29.18	72.8
1951	2,500	58.43	140.1	2,821	67.83	160.4	1,329	31.95	79.5
1952	2,653	60.30	142.6	2,936	68.54	158.7	1,691	34.74	87.3
1953	2,775	62.82	155.1	3,122	72.01	176.1	1,539	35.48	90.5
1954	2,861	65.91	161.5	3,228	76.73	184.4	1,498	35.64	92.3
1955	2,993	66.43	161.6	3,372	76.48	182.1	1,669	37.88	98.6
New Brunswick:									
1946	1,879	40.33	93.3	2,165	48.25	108.9	1,018	22.68	55.4
1947	2,046	44.59	102.3	2,372	53.56	120.1	1,098	24.78	60.1
1948	2,204	46.70	109.3	2,516	55.94	127.7	1,208	26.86	66.5
1949	2,233	48.42	113.1	2,568	57.64	131.6	1,243	27.88	68.6
1950	2,404	51.60	122.9	2,774	61.40	142.8	1,298	28.71	72.5
1951	2,757	57.65	137.9	3,175	68.64	161.1	1,467	31.72	79.1
1952	2,910	61.83	149.0	3,258	71.50	169.4	1,867	35.44	89.7
1953	3,096	62.96	153.9	3,564	73.48	178.8	1,711	35.25	86.8
1954	3,117	66.18	164.2	3,593	77.96	190.6	1,660	35.98	92.5
1955	3,125	68.26	168.5	3,579	79.35	192.1	1,700	37.70	98.7
Quebec:									
1946	2,298	44.57	107.4	2,667	53.30	125.4	1,334	26.63	67.2
1947	2,517	49.45	121.8	2,922	59.09	143.1	1,432	28.95	74.0
1948	2,699	52.39	129.0	3,119	62.20	150.2	1,581	31.52	80.8
1949	2,812	54.66	135.3	3,256	64.41	156.7	1,670	33.05	85.2
1950	2,981	58.10	146.0	3,481	68.13	168.2	1,747	34.41	89.6
1951	3,241	64.67	162.9	3,769	75.77	188.0	1,858	37.32	98.0
1952	3,482	68.88	174.4	3,929	79.92	199.8	2,310	40.52	106.1
1953	3,670	72.23	184.3	4,260	84.12	211.9	2,143	42.33	111.7
1954	3,827	76.32	195.7	4,432	88.64	225.0	2,243	44.83	118.6
1955	3,959	79.25	202.2	4,578	91.26	229.9	2,344	46.74	123.3
Ontario:									
1946	2,356	43.82	108.2	2,849	54.19	131.2	1,359	25.87	66.0
1947	2,581	50.46	126.1	3,120	62.01	152.0	1,451	28.84	75.0
1948	2,816	53.63	134.7	3,373	65.20	160.5	1,626	31.40	81.8
1949	2,990	55.32	139.3	3,563	66.81	165.4	1,746	32.74	85.5
1950	3,150	59.81	152.2	3,749	71.40	179.4	1,830	34.84	91.4
1951	3,489	67.29	172.5	4,135	79.67	201.7	2,051	39.49	104.2
1952	3,691	72.73	186.5	4,236	85.77	216.6	2,461	42.24	112.0
1953	3,892	75.69	195.6	4,609	89.28	227.8	2,281	44.23	117.6
1954	4,030	79.67	205.3	4,774	93.91	239.6	2,334	45.88	121.7
1955	4,156	82.47	212.6	4,885	96.52	245.6	2,433	48.03	127.1
Manitoba:									
1946	2,090	41.46	97.1	2,432	48.93	113.0	1,182	23.76	57.8
1947	2,319	46.07	110.5	2,693	54.62	129.4	1,285	26.07	64.5
1948	2,563	49.68	118.8	2,981	58.98	138.8	1,404	28.21	69.8
1949	2,729	52.98	128.3	3,150	62.19	148.4	1,534	30.30	75.9
1950	2,818	54.21	132.5	3,239	62.42	151.1	1,662	32.01	80.4
1951	3,050	60.57	150.3	3,519	70.20	173.3	1,756	35.06	88.5
1952	3,219	64.14	160.8	3,638	73.66	182.3	2,114	37.27	96.8
1953	3,419	66.35	166.3	3,955	76.47	190.2	1,966	37.98	97.9
1954	3,525	68.30	173.8	4,083	79.10	199.2	2,050	39.57	104.4
1955	3,632	70.57	178.2	4,203	81.04	202.1	2,114	40.76	106.7
Saskatchewan:									
1946	1,654	38.78	90.4	1,882	46.10	105.5	988	24.20	58.6
1947	1,780	41.95	99.6	2,037	50.47	117.4	1,045	25.90	63.2
1948	1,937	44.90	107.1	2,216	54.52	128.6	1,148	28.25	68.7
1949	2,085	45.18	107.0	2,364	53.23	124.6	1,300	29.30	71.3
1950	2,317	49.76	118.2	2,640	58.13	136.8	1,468	32.34	78.3
1951	2,444	56.35	136.4	2,764	64.97	156.2	1,584	37.25	91.1
1952	2,605	58.08	140.0	2,871	67.22	160.0	1,883	38.11	94.6
1953	2,809	61.30	150.6	3,167	71.66	173.5	1,774	40.16	101.9
1954	2,925	63.96	157.9	3,305	74.68	183.9	1,844	41.65	103.9
1955	3,065	66.24	164.0	3,472	76.35	187.6	1,951	42.88	108.3

TABLE 39. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Provinces, 1946-55 - Concluded

Year and Province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Alberta:									
1946	1,812	39.54	91.7	2,065	46.30	106.2	1,055	23.66	57.0
1947	1,997	44.32	104.5	2,284	51.68	120.2	1,166	26.62	64.9
1948	2,122	48.20	113.4	2,382	55.81	129.2	1,239	29.04	71.3
1949	2,311	51.80	122.7	2,610	60.06	140.3	1,334	30.72	75.6
1950	2,454	55.05	133.3	2,777	62.62	150.2	1,441	32.47	81.6
1951	2,558	62.06	150.3	2,870	71.12	171.0	1,487	36.86	91.5
1952	2,888	67.20	165.9	3,183	76.73	187.6	1,919	40.55	102.9
1953	3,081	69.93	174.8	3,484	79.64	197.1	1,840	42.05	108.4
1954	3,240	74.38	185.0	3,685	85.34	210.7	1,857	43.04	109.8
1955	3,313	75.60	189.5	3,755	86.18	213.3	1,900	43.61	113.0
British Columbia:									
1946	2,200	46.59	111.2	2,499	54.10	127.6	1,264	27.36	67.4
1947	2,403	52.89	130.3	2,738	61.70	150.5	1,333	30.07	75.7
1948	2,522	56.38	138.8	2,835	65.16	158.9	1,451	33.40	84.5
1949	2,758	57.91	143.3	3,133	66.92	164.4	1,579	33.73	85.2
1950	2,871	60.83	152.5	3,242	69.77	173.6	1,637	35.23	90.3
1951	3,174	71.10	177.8	3,606	81.66	203.1	1,767	40.03	102.4
1952	3,414	74.54	188.2	3,785	84.76	211.9	2,131	42.00	109.7
1953	3,609	78.41	199.0	4,075	89.70	225.9	1,993	43.84	114.2
1954	3,796	81.81	208.2	4,305	93.83	236.3	2,075	45.22	118.4
1955	4,079	85.00	215.7	4,618	97.12	244.0	2,258	47.53	124.4

TABLE 40. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-55

Year and Group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Foods and beverages:									
1946	1,990	41.33	97.9	2,314	49.90	115.5	1,141	24.62	61.1
1947	2,171	47.23	114.6	2,531	57.19	136.1	1,228	27.75	69.9
1948	2,384	52.01	125.6	2,792	62.62	147.0	1,348	30.24	76.7
1949	2,518	52.31	126.9	2,930	62.27	147.7	1,490	31.64	80.3
1950	2,693	55.06	134.6	3,129	64.05	154.3	1,608	32.92	83.8
1951	2,941	61.78	152.5	3,406	71.15	173.1	1,785	37.29	95.4
1952	3,103	64.68	159.7	3,500	73.74	179.4	2,145	39.65	102.5
1953	3,325	68.37	170.9	3,856	78.32	192.9	2,044	41.55	108.2
1954	3,476	70.78	178.3	4,027	81.40	202.5	2,122	42.87	111.6
1955	3,566	73.42	184.0	4,119	83.50	205.7	2,204	44.67	116.9
Tobacco and tobacco products:									
1946	2,371	39.94	96.7	2,913	51.45	122.2	1,424	25.17	62.3
1947	2,575	44.21	109.4	3,071	54.68	133.0	1,628	28.66	73.9
1948	2,863	52.47	130.5	3,412	64.94	159.1	1,836	34.92	88.8
1949	3,109	54.17	135.4	3,667	65.26	161.1	2,057	36.63	93.4
1950	3,256	57.86	150.7	3,821	67.18	174.0	2,247	39.48	104.2
1951	3,665	66.73	178.9	4,390	78.21	208.6	2,379	42.41	115.2
1952	3,922	68.33	182.2	4,408	78.96	209.4	2,055	47.34	127.3
1953	4,351	73.72	197.6	5,149	86.27	230.7	3,930	49.05	129.9
1954	4,565	79.50	211.4	5,410	93.84	248.3	3,078	53.44	143.7
1955	4,732	84.12	222.5	5,556	98.20	258.4	3,211	56.74	152.1
Rubber products:									
1946	2,289	44.97	111.3	2,776	54.64	133.6	1,280	25.17	64.2
1947	2,442	48.69	123.9	2,933	58.64	147.7	1,367	27.34	71.2
1948	2,800	51.84	132.2	3,333	61.95	156.0	1,686	28.86	78.2
1949	2,974	53.70	137.0	3,491	63.53	160.0	1,697	30.90	80.9
1950	3,070	58.09	146.7	3,597	67.97	169.5	1,759	33.26	86.4
1951	3,361	63.90	166.8	3,926	74.59	194.2	1,967	37.40	98.4
1952	3,572	67.63	174.8	3,999	78.53	200.8	2,415	40.87	107.8
1953	3,632	71.04	182.6	4,210	82.25	210.4	2,143	41.84	109.5
1954	3,977	74.07	189.4	4,630	85.57	217.2	2,371	43.80	114.7
1955	4,056	75.13	193.1	4,732	86.67	221.1	2,399	43.95	114.8
Leather products:									
1946	2,398	37.93	88.0	2,795	45.12	101.4	1,465	23.66	58.7
1947	2,684	45.06	107.5	3,176	54.25	125.6	1,534	26.21	67.0
1948	2,898	47.20	114.0	3,409	56.83	133.7	1,684	28.08	71.6
1949	3,033	48.95	117.9	3,533	57.94	136.0	1,819	29.86	76.2
1950	3,103	51.36	124.7	3,640	61.26	145.2	1,838	30.92	78.9
1951	3,264	56.30	140.0	3,795	66.47	161.3	1,958	34.33	90.1
1952	3,396	58.74	145.4	3,864	69.22	168.0	2,326	35.35	92.1
1953	3,623	61.71	155.1	4,256	73.25	180.4	2,162	37.24	98.3
1954	3,674	64.44	162.7	4,339	77.23	190.7	2,187	38.96	102.8
1955	3,782	66.17	168.3	4,473	78.49	192.4	2,268	39.81	105.0

TABLE 40. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-1955 - Continued

Year and Group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Textile products (except clothing):									
1946	2,675	48.08	115.8	3,338	59.30	139.2	1,522	27.07	68.7
1947	2,694	50.19	121.8	3,666	62.82	149.2	1,606	27.53	69.9
1948	3,111	53.32	130.0	3,856	66.48	157.9	1,742	30.02	76.6
1949	3,199	53.69	130.9	3,884	65.47	156.2	1,864	31.46	80.2
1950	3,369	58.61	145.8	4,134	71.48	174.8	1,914	33.08	85.5
1951	3,655	65.41	164.3	4,465	79.67	196.7	2,063	36.78	95.8
1952	3,700	68.65	174.2	4,313	82.79	207.0	2,480	39.50	103.1
1953	3,827	70.73	178.2	4,635	84.77	209.3	2,234	40.87	107.3
1954	3,951	72.94	185.6	4,796	88.28	220.7	2,269	41.80	110.0
1955	4,027	75.10	187.3	4,874	88.74	217.0	2,354	42.83	112.4
Clothing including knitting mills:									
1946	2,580	38.00	91.5	3,124	47.65	111.6	1,646	25.13	63.1
1947	2,812	44.91	110.1	3,480	57.75	137.5	1,705	28.30	72.2
1948	3,004	45.97	112.4	3,691	58.76	139.2	1,897	30.22	76.7
1949	3,132	48.04	118.3	3,817	60.25	144.5	2,031	32.08	82.0
1950	3,233	51.12	127.8	3,964	64.27	157.1	2,057	33.33	86.1
1951	3,375	57.54	145.7	4,157	72.45	179.3	2,116	36.85	96.2
1952	3,561	60.73	153.7	4,136	76.11	188.9	2,639	38.74	100.9
1953	3,674	62.41	157.6	4,541	78.81	194.1	2,316	40.18	105.2
1954	3,763	66.24	168.1	4,662	84.43	209.0	2,308	41.82	110.1
1955	3,359	66.94	167.8	4,742	83.18	203.9	2,471	43.34	112.3
Wood products:									
1946	1,419	42.65	97.6	1,527	50.08	110.8	760	24.92	62.0
1947	1,631	50.11	117.6	1,765	58.70	134.0	824	27.43	69.2
1948	1,727	51.99	122.6	1,853	60.46	138.6	917	29.93	76.1
1949	1,905	54.15	127.7	2,038	62.56	143.8	1,015	31.14	79.0
1950	2,079	56.92	136.5	2,227	65.90	154.7	1,109	32.85	83.8
1951	2,250	64.48	155.4	2,407	74.34	174.9	1,204	37.16	96.0
1952	2,366	67.77	163.3	2,505	77.06	180.9	1,435	38.83	101.1
1953	2,534	71.35	173.2	2,717	81.52	193.6	1,342	40.28	104.6
1954	2,597	74.01	181.0	2,788	84.81	202.9	1,374	41.79	109.4
1955	2,879	76.34	186.7	3,094	86.58	207.1	1,572	44.02	115.2
Paper products:									
1946	2,831	52.29	127.8	3,374	62.49	150.2	1,481	27.45	69.7
1947	3,127	59.44	149.0	3,729	70.72	175.0	1,652	31.33	81.1
1948	3,475	62.64	155.8	4,069	73.69	181.0	1,921	34.82	90.0
1949	3,679	65.57	164.3	4,354	77.41	191.6	1,964	34.88	90.8
1950	3,866	68.96	176.4	4,576	81.14	204.9	2,009	35.64	94.3
1951	4,338	79.57	204.6	5,147	93.92	239.0	2,224	40.60	106.8
1952	4,618	83.19	216.6	5,318	97.11	250.9	2,803	43.80	117.1
1953	4,808	87.68	230.7	5,693	102.39	267.3	2,550	45.92	123.8
1954	4,950	93.19	247.2	5,863	109.16	288.0	2,603	48.45	130.9
1955	5,046	95.20	252.5	5,985	111.47	293.3	2,663	49.55	133.9
Printing, publishing and allied industries:									
1946	2,084	37.07	92.9	2,479	45.76	112.7	1,316	24.30	62.3
1947	2,256	41.86	106.0	2,683	50.21	125.5	1,435	26.84	69.3
1948	2,400	43.75	112.2	2,860	53.76	136.4	1,533	28.82	75.2
1949	2,368	46.55	120.3	2,879	57.12	145.7	1,526	30.30	80.1
1950	2,500	50.71	132.7	3,040	61.75	161.2	1,602	32.56	85.7
1951	2,749	57.20	149.7	3,352	69.61	180.8	1,773	36.83	97.4
1952	3,003	61.13	161.3	3,498	74.67	196.5	2,200	38.48	102.3
1953	3,142	63.88	171.3	3,840	78.01	208.6	2,016	40.95	110.7
1954	3,258	67.30	178.5	4,029	83.19	219.5	2,043	42.14	113.0
1955	3,412	68.54	182.3	4,179	84.02	221.7	2,181	43.84	117.8
Iron and steel products:									
1946	2,429	50.14	122.6	2,891	52.88	127.4	1,391	25.43	64.7
1947	2,650	50.22	124.9	3,142	59.40	146.1	1,448	27.92	72.3
1948	2,865	53.41	133.2	3,358	63.09	155.0	1,617	30.35	78.6
1949	3,095	55.77	140.1	3,574	65.17	161.7	1,762	32.13	83.7
1950	3,215	59.71	151.2	3,715	69.29	173.7	1,817	33.91	88.5
1951	3,635	67.65	173.0	4,195	78.15	197.3	2,056	38.30	101.0
1952	3,879	71.71	183.4	4,369	82.53	208.9	2,473	40.62	106.9
1953	3,993	74.88	192.5	4,598	86.02	218.9	2,285	42.71	113.6
1954	4,212	78.30	201.3	4,815	89.57	228.5	2,412	44.88	118.7
1955	4,274	81.53	209.6	4,891	93.18	237.7	2,455	46.77	123.7
Transportation equipment:									
1946	2,574	50.14	118.8	2,981	57.95	135.4	1,446	28.08	69.3
1947	2,822	55.47	134.9	3,236	64.15	154.2	1,544	30.62	77.1
1948	3,807	59.72	143.5	3,494	68.03	161.6	1,768	34.44	85.7
1949	3,277	62.04	149.5	3,713	71.01	169.5	1,827	34.95	87.1
1950	3,521	66.98	161.8	3,980	76.07	182.0	1,998	38.21	96.0
1951	3,733	71.39	174.1	4,214	80.85	195.3	2,162	41.51	104.0
1952	3,909	77.61	186.1	4,346	87.79	206.6	2,516	44.92	114.6
1953	4,301	79.43	199.1	4,876	90.20	224.4	2,482	45.93	118.4
1954	4,391	84.40	209.4	4,954	95.28	234.1	2,507	48.22	124.3
1955	4,553	87.76	218.3	5,074	98.30	242.7	2,633	50.98	130.4

TABLE 40. Average Annual, Weekly and Hourly Earnings of Supervisory and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-55 - Concluded

Year and Group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	\$	\$	cents	\$	\$	cents	\$	\$	cents
Non-ferrous metal products:									
1946	2,590	47.22	113.5	3,061	57.07	134.6	1,488	27.71	69.1
1947	2,767	54.49	133.2	3,272	64.87	155.9	1,535	30.41	77.6
1948	2,921	57.70	140.7	3,426	68.57	164.4	1,644	32.91	84.1
1949	3,189	60.25	147.3	3,776	71.43	170.9	1,794	33.95	87.5
1950	3,349	63.55	159.3	3,938	74.95	184.6	1,855	35.27	92.1
1951	3,585	73.63	185.9	4,188	85.63	213.0	1,968	40.21	105.5
1952	3,870	78.70	201.8	4,402	90.39	229.4	2,373	42.39	112.1
1953	4,057	80.30	203.8	4,693	93.16	233.5	2,239	44.44	117.6
1954	4,336	85.75	221.0	4,994	97.90	249.7	2,372	46.53	124.1
1955	4,591	86.55	224.2	5,272	99.21	253.7	2,589	48.75	130.7
Electrical apparatus and supplies:									
1946	2,267	45.46	114.8	2,732	54.74	136.5	1,382	27.68	71.7
1947	2,542	50.08	125.5	3,075	60.51	149.0	1,507	29.66	76.8
1948	2,767	52.96	135.8	3,267	62.39	158.7	1,735	33.14	86.5
1949	2,990	55.15	141.4	3,489	64.32	163.6	1,877	34.58	90.3
1950	3,083	58.61	151.8	3,608	68.11	175.5	1,905	35.99	94.7
1951	3,468	64.82	167.1	4,055	75.51	192.1	2,080	38.37	102.0
1952	3,691	70.83	184.0	4,170	81.92	211.1	2,527	42.95	114.2
1953	3,925	75.07	194.5	4,565	87.17	224.7	2,380	45.04	118.8
1954	4,052	78.36	202.0	4,736	90.46	231.4	2,449	46.73	122.7
1955	4,067	83.39	214.9	4,691	95.57	244.4	2,472	50.38	132.2
Non-metallic mineral products:									
1946	2,134	43.29	104.5	2,444	50.47	119.3	1,256	25.96	66.2
1947	2,464	50.43	123.3	2,795	58.09	140.6	1,431	29.76	74.4
1948	2,642	53.45	132.0	3,005	62.03	150.2	1,512	31.22	81.7
1949	2,837	53.94	135.2	3,218	62.87	154.1	1,635	31.96	84.5
1950	2,970	58.29	146.8	3,388	67.41	167.3	1,701	33.85	89.1
1951	3,297	66.34	168.8	3,793	76.94	192.8	1,904	38.61	102.7
1952	3,511	71.45	186.1	3,951	82.48	211.5	2,276	41.15	111.8
1953	3,736	74.31	189.6	4,304	85.84	215.1	2,174	43.36	116.9
1954	3,852	77.54	198.8	4,392	89.31	225.5	2,214	45.01	121.0
1955	4,095	81.04	205.2	4,644	92.20	229.9	2,364	46.97	125.3
Products of petroleum and coal:									
1946	2,412	47.66	120.6	2,747	54.05	135.4	1,338	26.33	68.9
1947	2,692	55.06	141.9	3,025	61.43	157.1	1,579	32.07	86.0
1948	2,925	59.97	157.0	3,258	66.31	172.2	1,753	35.68	96.2
1949	3,100	61.40	161.6	3,490	68.49	177.4	1,769	34.70	96.1
1950	3,260	65.59	178.7	3,662	72.64	194.2	1,941	38.52	113.0
1951	3,662	74.52	194.1	4,147	81.92	211.7	2,161	42.72	115.1
1952	4,092	95.23	259.5	4,620	103.63	293.6	2,504	51.57	143.6
1953	4,217	98.27	264.2	4,881	111.87	298.3	2,309	52.95	146.3
1954	4,265	101.28	275.2	4,944	116.07	313.7	2,309	54.20	150.1
1955	4,458	105.76	286.6	5,148	121.46	327.4	2,322	54.77	150.9
Chemicals and allied products:									
1946	2,386	43.88	111.1	2,946	55.92	139.8	1,426	27.08	69.8
1947	2,588	49.19	126.1	3,176	62.01	157.0	1,550	30.28	79.0
1948	2,801	51.60	133.0	3,394	63.56	161.7	1,731	32.41	85.3
1949	2,883	54.89	141.8	3,481	67.30	171.7	1,782	34.46	91.1
1950	3,035	59.87	156.3	3,671	71.22	183.6	1,858	36.05	96.1
1951	3,379	66.37	171.9	4,061	78.79	202.5	2,079	40.31	106.1
1952	3,626	71.48	196.1	4,205	84.46	213.2	2,527	42.95	113.3
1953	3,808	74.59	194.8	4,581	88.12	228.9	2,336	44.90	119.1
1954	4,083	79.70	209.7	4,929	94.51	247.4	2,460	47.16	125.4
1955	4,206	82.41	215.2	5,034	96.63	250.3	2,582	49.53	131.4
Miscellaneous industries:									
1946	2,298	39.89	92.5	2,797	51.41	122.7	1,393	25.62	66.2
1947	2,421	45.34	108.2	3,000	61.81	150.0	1,419	29.22	75.7
1948	2,580	48.42	116.1	3,148	61.75	149.9	1,587	31.15	81.5
1949	2,816	50.47	124.6	3,435	63.44	154.3	1,700	31.33	83.6
1950	3,059	54.51	136.3	3,685	66.78	173.9	1,865	33.78	88.0
1951	3,246	60.89	156.5	3,960	75.50	188.3	1,925	36.73	99.3
1952	3,436	66.57	173.8	3,962	80.66	204.2	2,413	40.57	113.0
1953	3,733	69.21	177.9	4,053	84.11	213.5	2,027	42.08	111.3
1954	3,681	73.34	189.0	4,464	89.72	226.6	2,210	44.42	118.5
1955	3,900	75.26	192.5	4,713	91.55	229.4	2,338	45.45	120.6

Office Workers and Other Salaried Employees.—A survey of weekly earnings of supervisory and office employees, classified into (a) managerial and professional employees and (b) office workers, was undertaken for the first time in 1951 and repeated again in 1954. It is the intention to repeat this survey every third year in the future. According to Table 41 below average weekly salaries of all office and supervisory employees in 1954 averaged \$77.81. Male employees received \$90.99 and female employees \$45.00. The increase per week since 1951 for all employees totalled \$11.83, for males \$13.44 and for females \$6.58.

The average weekly salaries of office workers rose in the three years from \$51.14 to \$59.29, an advance of 15.9 p.c. as compared with 17.9 p.c. for all salaried employees. The average for men classed in the office group increased by \$10.26 to \$70.94, and for women by \$6.39 to \$44.16, representing an advance of 16.9 p.c. in each case. The upward movement was more pronounced in the durable goods division than in non-durables. Higher earnings for office workers were reported in 1954 in all provinces and industry groups, except tobacco and tobacco products, where the men's average salary, at \$68.31 was \$1.87 below the 1951 figure. The drop was caused mainly

by the transfer of a group of employees to a separately organized sales office since 1951 when they were paid well above the general level.

The residual group of salaried employees, composed mainly of managerial, professional and related staffs and professional salesmen, comprises a varied group, the composition of which may differ from firm to firm. Its components are affected not only by varying requirements for administrative and professional personnel but also by the extent to which proprietors

and firms members (excluded from the survey) undertake such duties, and by the organization of separate sales offices. The managerial and professional employees reported in 1951 averaged \$98.38 for the week; the men earned \$99.73 and the women \$57.04. Three years later, the averages were \$109.67 for both sexes, \$111.14 for men and \$64.89 for women. All industry groups and provinces reported higher earnings in 1954, raising the average salaries of the men to more than \$100 a week in most of the major industries in Canada.

TABLE 41. Average Weekly Earnings of the Supervisory and Office Employees in the Manufacturing Industries of Canada, Classified on the basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951 and 1954

Province and group	All supervisory and office employees			Managerial and professional employees			Office workers		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Province, 1951									
Newfoundland.....	62.04	70.71	30.80	116.20	121.37	--	47.02	52.93	30.19
Prince Edward Island	46.90	55.98	26.75	--	--	--	--	--	--
Nova Scotia.....	58.43	67.83	81.95	88.62	89.34	--	49.00	57.87	31.66
New Brunswick	57.65	68.64	31.72	93.40	93.54	--	44.96	53.97	31.51
Quebec.....	64.67	75.77	37.32	99.57	101.30	56.35	50.04	58.82	36.54
Ontario.....	67.29	79.67	39.49	98.81	100.13	57.80	52.02	62.44	38.86
Manitoba	60.57	70.20	35.06	87.91	88.56	--	47.28	55.69	34.53
Saskatchewan.....	56.35	64.97	37.25	79.53	79.98	--	44.73	51.31	36.97
Alberta.....	62.06	71.12	36.88	89.23	89.66	--	49.32	57.25	36.48
British Columbia	71.10	81.66	40.03	100.95	101.78	59.14	55.75	65.46	39.52
Canada.....	65.98	77.55	38.42	98.38	99.73	57.04	51.14	60.68	37.77
Industrial group, 1951									
Foods and beverages.....	61.78	71.15	37.29	86.89	87.54	57.65	48.31	56.49	36.72
Tobacco and tobacco products	66.73	78.21	42.41	87.06	86.56	--	56.47	70.18	41.53
Rubber products.....	63.90	74.59	37.40	97.48	98.26	--	48.40	56.32	37.09
Leather products.....	56.30	66.47	34.33	90.22	91.58	--	45.78	53.97	33.56
Textile products (except clothing)	65.41	79.67	36.78	103.41	105.45	54.65	48.21	58.75	36.08
Clothing, including knitting mills	57.54	72.45	36.85	95.67	99.62	58.38	44.92	55.32	35.55
Wood products.....	64.48	74.34	37.16	96.70	97.48	59.47	52.56	61.33	36.69
Paper products.....	79.57	93.92	40.60	125.26	128.91	58.22	56.87	67.67	40.06
Printing, publishing and allied industries	57.20	69.61	36.83	90.05	93.55	54.20	45.02	53.89	35.65
Iron and steel products.....	67.65	78.15	38.30	101.60	102.32	58.37	53.99	63.14	37.94
Transportation equipment.....	71.39	80.85	41.51	104.15	104.51	60.71	57.79	66.15	41.32
Non-ferrous metal products.....	73.63	85.63	40.21	100.99	101.79	57.75	52.87	63.70	39.67
Electrical apparatus and supplies.....	64.82	75.51	38.37	96.41	97.51	57.99	52.67	62.06	37.83
Non-metallic mineral products.....	66.34	76.94	38.61	97.87	98.31	--	50.64	59.17	38.24
Products of petroleum and coal.....	74.52	81.92	42.72	99.87	101.13	--	56.48	63.15	40.72
Chemicals and allied products.....	68.37	78.79	40.31	93.97	95.77	55.44	47.81	56.55	39.41
Miscellaneous industries.....	60.89	75.50	36.73	95.30	97.11	52.44	45.96	56.66	36.20
Province, 1954									
Newfoundland.....	71.39	80.34	37.55	112.28	112.78	--	53.32	60.20	37.01
Prince Edward Island	50.04	58.50	30.60	--	--	--	--	--	--
Nova Scotia.....	65.91	76.73	35.64	91.04	91.72	--	50.52	61.35	35.17
New Brunswick	66.18	77.96	35.98	96.48	97.32	--	51.71	62.69	35.61
Quebec.....	76.32	88.64	44.83	107.42	109.13	64.70	58.24	68.80	43.77
Ontario.....	79.67	93.91	45.88	112.90	114.38	66.15	60.58	73.22	45.09
Manitoba	68.30	79.10	39.67	96.31	97.38	58.43	53.52	63.35	39.00
Saskatchewan.....	63.96	74.68	41.65	85.69	86.34	--	50.57	60.27	41.30
Alberta.....	74.38	85.34	43.04	103.37	103.80	--	57.01	66.81	42.82
British Columbia	81.81	93.83	45.22	109.02	110.32	60.56	62.40	74.58	44.51
Canada.....	77.81	90.99	45.00	109.67	111.14	64.89	59.29	70.94	44.16
Industrial group, 1954									
Foods and beverages.....	70.78	81.40	42.87	93.93	94.68	59.38	54.81	65.06	42.33
Tobacco and tobacco products	79.50	93.84	53.44	105.52	106.59	--	57.85	68.31	51.06
Rubber products.....	74.07	85.57	43.80	107.27	107.27	--	55.75	64.87	43.24
Leather products.....	64.44	77.23	38.96	92.00	95.04	51.60	49.26	59.70	37.94
Textile products (except clothing)	72.94	88.28	41.80	107.28	108.98	60.52	51.19	62.10	40.99
Clothing including knitting mills	66.24	84.43	41.82	96.56	102.45	55.94	48.30	60.88	40.07
Wood products.....	74.01	84.81	41.79	101.31	101.97	59.23	56.42	66.58	41.36
Paper products.....	93.19	109.16	48.45	135.11	136.88	67.43	65.42	78.28	47.70
Printing, publishing and allied industries	67.30	83.19	42.14	105.92	108.44	67.64	51.68	63.28	40.92
Iron and steel products.....	78.30	89.57	44.88	111.19	111.81	67.79	60.52	70.42	44.43
Transportation equipment.....	84.40	95.28	48.22	119.86	120.40	71.21	69.64	80.01	47.90
Non-ferrous metal products.....	85.75	97.90	46.53	113.05	114.06	61.79	64.44	77.08	45.95
Electrical apparatus and supplies.....	78.36	90.46	46.73	111.58	112.43	71.90	63.44	74.58	46.13
Non-metallic mineral products.....	77.54	89.31	45.01	109.49	110.18	--	58.33	69.21	44.44
Products of petroleum and coal.....	101.28	116.07	54.20	138.05	142.07	74.81	61.61	69.59	51.13
Chemicals and allied products.....	79.70	94.51	47.16	107.44	108.94	71.72	56.30	68.97	45.62
Miscellaneous industries.....	73.34	89.72	44.42	105.69	107.61	62.80	54.06	66.95	43.57

-- Number too small to be significant.
 NI. Nil.

Distribution of Employees on the Basis of Weekly Earnings. Manufacturers were required to classify their male and female employees into 16 groups of earnings, from \$10 or less to \$100 or more, rising by \$5 intervals from \$10 to \$59.99, and by \$10 intervals from \$60 to \$99.99. The 1950 survey which covered the last pay period in October made available data on the distribution of employees by earnings groups for the first time since the Census of Manufactures survey in January 1944. The data in the two surveys are not strictly comparable, largely because the earlier surveys included establishments employing less than 15 persons and were conducted for a different period of the year. Also the 1944 survey reflected wartime conditions.

Variation in the provincial distribution of employees by amounts earned are obviously related to pay levels, occupational and sex differences, number of casual and part-time workers, and length of the working week in the more important industries in each area. Most of the employees in the low-earnings ranges are casually-employed workers, or those who do not work full time in the week. Part-time work is particularly common among women; the 1952 survey showed that 11.9 p.c. of the female production workers reported in manufacturing worked 30 hours or less, as compared with 4.6 p.c. for men. Short-time or casual work is characteristic of such industries

as fish processing and fruit and vegetable canning, the duration of employment depending on the immediate availability of materials.

The tremendous change in the level of incomes of factory workers since the war is strikingly illustrated in Table 42. Whereas in 1940 only 3 p.c. of male and none of the female production workers received \$50 or more per week, in 1953 these percentages jumped to 78 and 14 respectively. The percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male production workers received less than \$30 per week, in 1953 the percentage declined to 5. For female production workers the percentage in these groups declined from 99 to 38.

For office workers information on the distribution by income groups is only available for 1944, 1950 and 1953. Earnings by office workers, too, advanced to unprecedented heights. The percentage of male office workers receiving \$50 or more per week rose to 88 in 1953 from 39 in 1944, while for females the percentage in 1953 was 25 as compared with none in 1944. Tables 43 and 42 give the distribution by income groups of male and female production workers as well as office workers by provinces and major industrial groups for 1953.

TABLE 42. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-53

Year	Class range											Average weekly earnings
	Under \$10.00	\$10.00 to \$19.99	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
Male production workers:												
1934	12	43	32	10	2	1*						20.31
1936	10	40	35	11	3	1*						20.92
1940	6	29	37	19	6	3*						24.82
1944	3	9	25	31	20	9	2	1*				34.95
1950	1	2	5	14	26	28	14	6	2	1	1	50.93
1953	1	2	2	5	12	21	27	16	7	3	4	62.71
Female production workers:												
1934	34	61	4	1	—	—	—	—	—	—	—	11.80
1936	30	65	4	1*								12.20
1940	23	68	8	1*								13.52
1944	10	45	33	10	2							20.89
1950	3	16	35	30	12	2	1	—	1	—	—	29.00
1953	3	9	26	28	20	10	3	1	--	--	--	35.07
Male office employees:												
1944	1	6	13	21	20	15	9	15*				46.24
1950	—	1	5	8	13	19	17	12	8	5	12	69.35
1953	--	--	2	3	7	11	15	14	13	10	25	86.43
Female office employees:												
1944	2	31	52	13	2	—	—	—	—	—	—	23.79
1950	—	4	27	43	19	5	1	1	—	—	—	34.38
1953	--	2	9	30	34	17	5	2	1	--	--	43.13

* And over.

-- Number too small to be significant.

-- Nil.

TABLE 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1953

Province	Class range										Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
	p.c.										\$
Male production workers:											
Newfoundland	8	7	9	14	14	14	12	9	5	8	60.50
Prince Edward Island ¹											42.94
Nova Scotia	3	6	12	19	24	25	6	3	1	1	53.15
New Brunswick	3	7	14	18	20	18	9	5	3	3	54.48
Quebec	1	4	9	16	22	23	12	6	3	4	59.72
Ontario	--	2	4	10	20	29	18	9	4	4	65.00
Manitoba	1	2	6	15	27	31	10	4	2	2	59.21
Saskatchewan	3	2	5	16	30	23	11	7	2	1	58.73
Alberta	1	2	3	14	25	29	15	7	2	2	61.66
British Columbia	2	2	2	5	13	35	22	9	5	5	68.10
Canada	3	2	5	12	21	27	16	7	3	4	62.71
Female production workers:											
Newfoundland	57	31	11	1	--	--	--	--	--	--	20.13
Prince Edward Island ¹											24.02
Nova Scotia	35	45	14	6	--	--	--	--	--	--	23.45
New Brunswick	33	25	28	10	3	1					26.51
Quebec	16	30	27	16	7	3	1	--	--	--	32.67
Ontario	8	20	29	25	13	4	1	--	--	--	37.74
Manitoba	13	34	30	15	6	1	1	--	--	--	31.98
Saskatchewan	10	15	27	28	16	4	--	--	--	--	37.62
Alberta	8	22	25	22	19	3	1	--	--	--	38.45
British Columbia	10	18	25	25	16	5	1	--	--	--	38.28
Canada	12	26	28	20	10	3	1	--	--	--	35.07
Male office employees:											
Newfoundland	1	7	8	12	11	10	12	10	6	23	78.07
Prince Edward Island ¹											64.81
Nova Scotia	--	2	7	15	15	16	12	12	6	15	72.01
New Brunswick	1	4	9	15	12	14	13	8	8	16	73.48
Quebec	--	3	5	8	12	15	13	11	9	24	84.12
Ontario	--	1	3	5	10	15	14	14	11	27	89.28
Manitoba	--	2	5	11	16	17	13	11	8	17	76.47
Saskatchewan	--	2	6	12	17	18	14	10	8	13	71.66
Alberta	1	2	4	8	13	16	16	12	10	18	79.64
British Columbia	--	1	2	5	8	13	14	16	13	28	89.70
Canada	--	2	3	7	11	15	14	13	10	25	86.43
Female office employees:											
Newfoundland	16	23	23	25	8	3	2	--	--	--	34.44
Prince Edward Island ¹											31.15
Nova Scotia	3	25	42	21	7	2	--	--	--	--	35.48
New Brunswick	4	29	39	19	6	2	1	--	--	--	35.25
Quebec	3	12	28	31	17	6	2	1	--	--	42.33
Ontario	2	5	29	36	19	6	2	1	--	--	44.23
Manitoba	1	18	42	24	11	3	1	--	--	--	37.98
Saskatchewan	1	7	41	38	9	3	1	--	--	--	40.16
Alberta	1	7	33	38	16	3	2	--	--	--	42.05
British Columbia	1	7	31	35	17	6	2	1	--	--	43.84
Canada	2	9	30	34	17	5	2	1	--	--	43.13

1. Breakdown by class range not available.

-- Number too small to be significant.

-- Nil.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Industrial Group, 1953

Group	Class range										Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
	per cent										\$
Male production workers:											
Foods and beverages	3	4	8	17	25	24	11	4	2	2	56.52
Tobacco and tobacco products	4	2	7	8	23	28	16	8	3	1	61.69
Rubber products	1	1	3	10	24	27	19	8	4	3	64.74
Leather products	8	12	16	24	21	13	5	1	--	--	45.27
Textile products (except clothing)	1	7	18	28	24	12	6	2	1	1	49.28
Clothing (textile and fur)	4	10	14	19	17	14	10	6	3	3	53.33
Wood products	3	5	12	20	21	23	9	4	2	1	54.33
Paper products	--	2	3	6	19	25	18	12	7	8	70.77
Printing, publishing and allied industries	3	5	8	10	8	12	15	15	9	15	71.65
Iron and steel products	--	2	3	8	22	29	19	9	4	4	66.10
Transportation equipment	--	1	2	7	20	39	17	7	3	4	66.11
Non-ferrous metal products	--	1	3	8	16	31	28	9	2	2	66.59
Electrical apparatus and supplies	--	2	3	9	20	27	19	11	5	4	67.24
Non-metallic mineral products	--	2	4	13	27	27	15	7	3	2	62.26
Products of petroleum and coal	--	--	2	2	8	25	25	21	8	9	77.17
Chemicals and allied products	--	1	3	13	24	28	18	7	3	3	63.57
Miscellaneous industries	3	5	11	20	21	18	11	5	3	3	56.37
All groups	3	2	5	12	21	27	16	7	3	4	62.71
Female production workers:											
Foods and beverages	18	27	27	19	7	1	1	--	--	--	32.31
Tobacco and tobacco products	3	11	10	34	25	14	2	1	--	--	46.99
Rubber products	5	10	21	40	18	5	--	--	--	--	41.73
Leather products	22	36	27	11	3	1	--	--	--	--	28.18
Textile products (except clothing)	7	23	37	26	6	1	--	--	--	--	35.34
Clothing (textile and fur)	17	34	28	13	5	2	1	--	--	--	30.94
Wood products	9	21	29	18	15	8	--	--	--	--	38.35
Paper products	8	24	34	23	9	2	--	--	--	--	35.77
Printing, publishing and allied industries	12	25	35	20	5	1	1	1	--	--	34.06
Iron and steel products	3	10	20	34	26	6	1	--	--	--	44.20
Transportation equipment	4	9	15	28	28	13	2	1	--	--	47.00
Non-ferrous metal products	9	23	29	22	12	4	1	--	--	--	36.30
Electrical apparatus and supplies	4	7	19	32	25	9	3	1	--	--	46.05
Non-metallic mineral products	6	22	26	30	12	3	1	--	--	--	38.03
Products of petroleum and coal	7	24	36	23	8	2	--	--	--	--	35.63
Chemicals and allied products	9	31	32	16	9	2	1	--	--	--	34.17
Miscellaneous industries	12	26	28	20	10	3	1	--	--	--	35.07
All groups	12	26	28	20	10	3	1	--	--	--	35.07
Male office employees:											
Foods and beverages	--	2	5	10	14	18	15	12	7	17	78.32
Tobacco and tobacco products	--	--	5	9	13	19	15	12	7	20	86.27
Rubber products	--	1	4	9	11	16	19	15	7	18	82.25
Leather products	--	3	8	13	15	19	14	9	4	15	73.25
Textile products (except clothing)	--	2	5	8	12	17	15	11	8	22	84.77
Clothing (textile and fur)	2	5	7	10	13	14	13	7	6	23	78.81
Wood products	--	2	4	9	14	16	14	11	8	22	81.52
Paper products	--	1	3	5	9	11	12	12	9	38	102.39
Printing, publishing and allied industries	3	5	7	10	11	12	12	10	8	22	78.01
Iron and steel products	--	1	3	7	11	15	15	14	10	24	86.02
Transportation equipment	--	--	2	5	9	13	12	15	15	29	90.20
Non-ferrous metal products	--	1	2	4	6	12	14	17	14	30	93.16
Electrical apparatus and supplies	--	1	2	5	10	15	16	15	12	24	87.17
Non-metallic mineral products	--	1	3	7	14	16	16	12	9	22	85.84
Products of petroleum and coal	--	--	2	5	7	8	12	11	10	45	111.87
Chemicals and allied products	--	1	3	7	11	14	13	14	11	26	88.12
Miscellaneous industries	1	2	4	7	12	15	14	14	8	23	84.11
All groups	--	2	3	7	11	15	14	13	10	25	86.43
Female office employees:											
Foods and beverages	3	9	33	34	15	5	1	--	--	--	41.55
Tobacco and tobacco products	--	7	17	25	39	9	3	--	--	--	49.05
Rubber products	--	8	36	38	14	3	1	--	--	--	41.84
Leather products	5	20	36	24	10	3	2	--	--	--	37.24
Textile products (except clothing)	1	12	37	32	13	3	1	1	--	--	40.87
Clothing (textile and fur)	4	18	30	25	14	5	2	1	--	1	40.18
Wood products	3	13	35	28	15	4	1	1	--	--	40.28
Paper products	1	5	26	34	21	8	4	1	--	--	45.92
Printing, publishing and allied industries	4	13	35	28	12	4	2	1	--	1	40.95
Iron and steel products	1	8	31	36	17	5	1	1	--	--	42.71
Transportation equipment	1	5	22	37	25	7	2	1	--	--	45.93
Non-ferrous metal products	2	6	27	36	20	6	2	--	1	--	44.44
Electrical apparatus and supplies	--	4	28	40	20	6	2	--	--	--	45.04
Non-metallic mineral products	1	6	34	35	15	5	2	--	1	--	43.36
Products of petroleum and coal	1	--	11	35	30	12	5	4	1	1	52.95
Chemicals and allied products	1	4	28	38	19	7	2	1	--	--	44.90
Miscellaneous industries	2	7	31	39	17	3	1	--	--	--	42.08
All groups	2	9	30	34	17	5	2	1	--	--	43.13

1. Information not available.

-- Number too small to be significant.

-- Nil.

Real Earnings of Employees in Recent Years.— When the index number representing the average yearly earnings of production workers is divided by the consumer price index, on the same base, a measure of "real" income is obtained. Index numbers for 1931 to 1955 are given in Table 45. In 1933,

the height of the depression, real earnings were 63.9 on the 1949 base. From then on they rose steadily and stood at 101.5 in 1944, an increase of about 59 p.c. In 1946 real earnings dropped to 94.6 and from then on continued to rise each year. In 1955 the index stood at 123.1.

TABLE 45. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers in the Manufacturing Industries, 1931-55

Year	Payments to production workers	Average number employed	Average yearly earnings	Index numbers (1949 = 100)		
				Average yearly earnings	Consumer price index	Real value of average yearly earnings
	\$	No.	\$			
1931	415,277,895	437,149	950	46.0	67.9	67.7
1932	322,245,926	381,783	844	40.8	61.7	66.1
1933	296,929,878	382,022	777	37.6	58.8	63.9
1934	355,090,929	427,717	830	40.2	59.6	67.4
1935	399,012,697	458,734	870	42.1	59.9	70.3
1936	438,873,377	489,942	896	43.3	61.1	70.9
1937	525,743,562	544,624	965	46.7	63.0	74.1
1938	498,282,208	521,427	956	46.3	63.7	72.7
1939	519,971,819	533,342	975	47.2	63.2	74.7
1940	679,273,104	626,484	1,084	52.4	65.7	79.8
1941	978,525,782	802,234	1,220	59.0	69.6	84.8
1942	1,347,934,049	974,904	1,383	66.9	72.9	91.8
1943	1,598,434,879	1,047,873	1,525	73.8	74.2	99.5
1944	1,611,555,776	1,030,324	1,564	75.7	74.6	101.5
1945	1,427,915,830	928,665	1,538	74.4	75.0	99.2
1946	1,329,811,478	877,150	1,516	73.3	77.5	94.6
1947	1,611,232,166	940,650	1,713	82.9	84.8	97.8
1948	1,876,773,231	957,491	1,960	94.8	97.0	97.7
1949	1,963,462,720	949,656	2,067	100.0	100.0	100.0
1950	2,078,634,086	952,244	2,183	105.6	102.9	102.6
1951	2,459,566,313	1,010,588	2,434	117.8	113.7	103.6
1952	2,713,714,909	1,025,355	2,647	128.1	116.5	110.0
1953	2,940,338,939	1,053,226	2,792	135.1	115.5	117.0
1954	2,821,586,476	989,030	2,853	138.0	116.2	118.8
1955	2,995,267,448	1,010,992	2,963	143.3	116.4	123.1

Percentages of Salaries and Wages to Net Value of Products.—Table 46 shows the relation between salaries and wages paid by manufacturers and the total net value of production. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met. The percentage of salaries declined steadily with the increasing manufacturing production from 1924 to 1929, while from 1931 to

1935 and again in 1939 and 1954, due to decreased industrial activity, the percentage of salaries to value added was above normal. It should be borne in mind, however, that salaried employees increased 343 p.c. during the period 1917-55 while wage-earners increased 87 p.c. The percentage of wages has fluctuated much less than that of salaries. The number of wage-earning employees may be more rapidly adjusted to the activity of the industry and wage levels likewise may be more readily adjusted to the price levels of the products. Of the increase in the net value of production since 1939 amounting to \$7,222,398,595, \$3,405,598,381 or 47.2 p.c. was passed along in increased salaries and wages.

TABLE 46. Percentage of Salaries and Wages Paid to the Value Added by Manufacture, Significant Years, 1917-55

	Value added by manufacture ¹	Payments to		Percentages		
		Supervisory and office workers	Production workers	Office payments to value added	Production payments to value added	Total payments to value added
	\$	\$	\$	p.c.	p.c.	p.c.
1917	1,281,131,980	85,353,667	412,448,177	6.7	32.2	38.9
1920	1,621,273,348	141,837,361	575,656,515	8.7	35.5	44.2
1921	1,123,694,263	130,094,076	367,305,685	11.6	32.7	44.3
1926	1,305,168,549	142,353,900	483,328,342	10.9	37.0	47.9
1929	1,755,386,937	175,553,710	601,737,507	10.0	34.3	44.3
1933	919,671,181	139,317,946	296,929,878	15.1	32.3	47.4
1937	1,508,924,867	195,983,475	525,743,562	13.0	34.8	47.8
1939	1,531,051,901	217,839,334	519,971,819	14.2	34.0	48.2
1944	4,015,776,010	418,065,594	1,611,555,776	10.4	40.2	50.6
1945	3,564,315,899	417,857,619	1,427,915,830	11.7	40.1	51.8
1946	3,467,004,980	410,875,776	1,329,811,478	11.8	38.4	50.2
1947	4,292,055,802	474,693,800	1,611,232,166	11.0	37.6	48.6
1948	4,938,786,981	532,594,959	1,876,773,231	10.8	38.0	48.8
1949	5,330,566,434	628,427,937	1,963,462,720	11.8	36.8	48.6
1950	5,942,058,229	692,633,349	2,078,634,086	11.6	35.0	46.6
1951	6,940,946,783	816,714,604	2,459,566,313	11.8	35.4	47.2
1952	7,443,533,199	923,905,251	2,713,714,909	12.4	36.5	48.9
1953	7,993,069,351	1,016,679,409	2,940,338,939	12.7	36.8	49.5
1954	7,902,124,137	1,075,101,215	2,821,586,476	13.6	35.7	49.3
1955	8,753,450,496	1,147,142,086	2,995,267,448	13.1	34.2	47.3

1. Equivalent to "net value of products", see footnote 1, Table 1.

Subsection 6. Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flour-milling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale.

Size as Measured by Gross Value of Products.—While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c. of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929

had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments—a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1944 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total. With increased prices and an expansion in the physical volume of production during 1947 to 1955, establishments with a production of \$1,000,000 or over increased to 2,729 while their contribution to the total output rose to 80 p.c.

TABLE 47. Manufacturing Establishments, Classified According to Gross Value of Products 1929, 1939, 1944 and 1955

Group of gross values	1929 ¹			1939 ²		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$25,000	14,024	106,735,470	7,611	15,623	120,903,054	7,739
\$ 25,000 but under \$ 50,000	2,802	99,529,725	35,521	2,803	99,558,383	35,519
50,000 " 100,000	2,209	156,308,744	70,760	2,215	156,410,769	70,614
100,000 " 200,000	1,688	237,532,492	140,718	1,584	225,582,130	142,413
200,000 " 500,000	1,519	504,218,217	331,941	1,285	390,626,844	303,990
500,000 " 1,000,000	636	443,597,677	697,481	689	466,441,130	676,983
1,000,000 " 5,000,000	601	1,217,866,089	2,026,400	520	1,091,293,939	2,098,642
5,000,000 and over	118	1,298,198,865	11,001,685	81	923,724,311	11,404,004
Totals and averages	23,597	4,063,987,279	172,225	24,800	3,474,540,560	140,102
	1944			1955 ³		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$25,000	13,942	128,782,147	9,237	15,327	143,480,957	9,361
\$ 25,000 but under \$ 50,000	4,011	143,023,914	35,658	5,112	184,847,245	36,159
50,000 " 100,000	3,442	245,273,500	71,259	4,781	343,512,650	71,850
100,000 " 200,000	2,513	355,235,489	141,359	4,250	608,414,152	143,156
200,000 " 500,000	2,256	714,546,348	316,731	3,970	1,261,916,569	317,863
500,000 " 1,000,000	943	651,870,696	701,666	2,013	1,411,584,589	701,234
1,000,000 " 5,000,000	1,089	2,294,546,053	2,107,021	2,101	4,364,363,277	2,077,279
5,000,000 and over	287	4,530,614,372	15,786,113	628	11,195,814,372	17,827,730
Totals and averages	28,483	9,073,692,519	318,565	38,182	19,513,933,811	511,077

1. Includes central electric stations and dyeing, cleaning and laundry establishments.

2. Exclusive of Yukon and the Northwest Territories.

3. The figures for 1955 are "value of factory shipments" and not "production". They also include Newfoundland.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1955

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Under \$10,000	9,049	12,749	12,387,371	1,318,097	18,032,480	39,195,940
\$ 10,000 to \$ 24,999	6,278	19,897	34,443,363	2,986,360	47,363,935	104,285,017
25,000 " 49,999	5,112	29,267	60,161,882	4,763,012	86,583,138	184,847,245
50,000 " 99,999	4,781	45,661	105,072,063	7,594,987	168,910,910	343,512,650
100,000 " 199,999	4,250	66,730	164,284,743	11,954,827	317,782,633	608,414,152
200,000 " 499,999	3,970	126,492	331,196,555	20,600,644	651,390,726	1,261,916,569
500,000 " 999,999	2,013	126,989	353,969,383	22,687,896	725,278,136	1,411,584,589
1,000,000 " 4,999,999	2,101	334,199	1,038,377,756	77,034,928	2,219,074,637	4,364,363,277
5,000,000 and over	628	520,544	1,962,459,827	308,828,539	6,103,785,570	11,195,814,372
Head Offices	—	15,933	80,056,591	20,180	—	—
Totals	38,182	1,298,461	4,142,409,534	487,789,470	10,338,202,165	19,513,933,811

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1955 - Continued

Industrial group, by size	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Under \$10,000	1,079	1,675	1,475,306	319,631	2,524,923	5,217,108
\$ 10,000 to \$ 24,999	1,375	4,055	5,837,318	1,056,238	13,042,352	23,163,777
25,000 " 49,999	1,323	6,038	10,448,327	1,760,441	29,448,520	48,082,167
50,000 " 99,999	1,231	8,366	16,070,997	2,699,292	58,562,984	89,141,287
100,000 " 199,999	1,204	11,741	24,146,232	4,253,467	120,824,595	173,503,702
200,000 " 499,999	896	17,596	40,311,070	5,925,865	188,808,694	279,156,866
500,000 " 999,999	432	19,795	49,856,050	5,988,826	189,705,352	303,653,773
1,000,000 " 4,999,999	459	53,882	152,521,732	15,935,525	567,635,668	955,237,222
5,000,000 and over	135	55,251	190,320,132	15,519,352	1,149,229,861	1,737,159,712
Head Offices ¹	—	1,686	7,799,413	20,180	—	—
Totals	8,134	180,085	498,786,577	53,478,817	2,319,782,949	3,614,315,616
Tobacco and tobacco products:						
Under \$10,000	16	31	32,824	2,419	26,264	67,212
\$ 10,000 to \$ 24,999	6	23	36,211	1,405	32,422	80,941
25,000 " 49,999	4	37	66,525	8,041	61,804	149,873
50,000 " 99,999	1	48	93,021	4,432	216,582	414,561
100,000 " 199,999	2	250	518,548	15,254	770,700	1,579,313
200,000 " 499,999	5	140	285,641	20,829	1,639,155	2,414,194
500,000 " 999,999	3	8,995	28,400,221	678,817	160,280,958	246,227,691
1,000,000 " 4,999,999	6	—	13,900	—	—	—
5,000,000 and over	13	5	—	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	56	9,529	29,446,891	731,197	163,027,885	250,933,785
Rubber goods:						
Under \$10,000	7	13	18,360	1,863	6,455	31,680
\$ 10,000 to \$ 24,999	3	16	37,643	2,650	15,150	47,765
25,000 " 49,999	7	49	97,129	10,526	115,850	253,871
50,000 " 99,999	9	104	240,379	12,073	278,086	664,721
100,000 " 199,999	4	51	175,833	15,205	374,825	687,396
200,000 " 499,999	11	439	1,120,467	85,762	1,623,880	3,900,726
500,000 " 999,999	10	777	1,978,446	123,682	3,300,955	7,189,127
1,000,000 " 4,999,999	15	3,425	10,386,201	698,679	18,238,490	40,473,041
5,000,000 and over	16	16,977	59,479,841	3,222,671	113,121,079	269,164,052
Head Offices ¹	—	62	240,665	—	—	—
Totals	82	21,913	73,774,964	4,173,111	137,074,770	322,412,379
Leather products:						
Under \$10,000	72	118	141,823	11,501	167,227	358,909
\$ 10,000 to \$ 24,999	66	238	404,777	21,922	491,602	1,094,100
25,000 " 49,999	73	537	965,874	51,022	1,332,735	2,710,452
50,000 " 99,999	100	1,389	2,741,783	78,961	3,532,844	7,419,884
100,000 " 199,999	89	2,296	4,502,910	131,998	6,210,292	12,852,369
200,000 " 499,999	121	6,052	12,952,660	329,268	18,629,000	38,415,336
500,000 " 999,999	66	6,881	15,089,224	329,404	22,042,565	44,915,167
1,000,000 " 4,999,999	57	13,064	32,171,225	1,162,300	56,555,354	110,276,873
5,000,000 and over	2	—	—	—	—	—
Totals	646	30,575	68,970,276	2,116,376	108,961,619	218,043,090
Textile mills:						
Under \$10,000	98	188	279,990	14,189	159,643	494,406
\$ 10,000 to \$ 24,999	129	483	826,648	47,464	782,982	2,135,641
25,000 " 49,999	139	1,068	2,095,495	107,556	1,966,351	5,122,132
50,000 " 99,999	123	1,491	3,197,034	128,684	3,646,708	8,825,021
100,000 " 199,999	124	2,368	5,180,573	315,939	7,910,931	17,255,398
200,000 " 499,999	127	4,220	9,987,410	641,234	22,379,639	40,928,428
500,000 " 999,999	87	5,739	14,029,339	868,631	38,326,094	62,866,774
1,000,000 " 4,999,999	119	21,820	59,162,178	4,429,073	139,421,131	314,341,366
5,000,000 and over	31	29,595	83,174,219	7,264,391	194,297,397	354,544,279
Head Offices ¹	—	2,176	9,872,158	—	—	—
Totals	977	69,144	187,805,044	13,817,181	408,890,576	734,515,445
Knitting mills:						
Under \$10,000	16	32	41,074	2,384	38,409	89,420
\$ 10,000 to \$ 24,999	13	55	82,513	2,273	84,154	221,338
25,000 " 49,999	24	156	236,901	13,069	406,303	875,234
50,000 " 99,999	31	493	931,465	30,632	968,282	2,065,556
100,000 " 199,999	50	1,197	2,321,062	86,074	3,572,295	7,261,142
200,000 " 499,999	68	3,230	6,624,237	280,951	11,163,396	22,309,527
500,000 " 999,999	50	4,646	9,924,585	423,111	16,951,499	34,133,291
1,000,000 " 4,999,999	43	11,748	26,544,081	1,033,379	42,521,174	88,230,956
5,000,000 and over	1	—	—	—	—	—
Head Offices ¹	—	101	502,290	—	—	—
Totals	296	21,658	47,208,208	1,871,873	75,705,514	155,186,763

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1935 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Clothing (textile and fur):						
Under \$10,000	143	329	369,942	16,293	331,142	850,191
\$ 10,000 to \$ 24,999	296	1,343	2,217,645	69,399	2,128,642	5,166,605
25,000 " 49,999	337	2,750	4,883,712	132,612	5,157,775	12,277,570
50,000 " 99,999	462	6,382	12,713,619	285,837	15,085,853	33,641,837
100,000 " 199,999	485	10,124	21,616,016	430,459	36,367,520	70,735,982
200,000 " 499,999	575	22,617	50,210,732	788,041	98,035,272	181,839,970
500,000 " 999,999	233	19,058	42,145,874	550,261	87,021,783	161,887,812
1,000,000 " 4,999,999	113	23,506	53,614,037	664,311	104,713,245	191,615,018
5,000,000 and over	4	3,334	7,510,865	64,155	11,042,306	26,346,917
Head Offices ¹	—	243	1,154,037	—	—	—
Totals	2,648	89,686	196,436,479	3,001,368	359,882,938	684,361,902
Wood products:						
Under \$10,000	4,921	7,152	5,610,052	592,043	9,597,463	20,247,949
\$ 10,000 to \$ 24,999	2,150	6,295	9,620,637	843,202	17,082,270	34,891,873
25,000 " 49,999	1,426	7,390	14,751,381	1,171,620	25,255,597	51,027,993
50,000 " 99,999	1,169	10,632	22,778,477	1,886,064	42,186,820	83,028,774
100,000 " 199,999	869	13,866	33,302,329	2,491,802	62,269,033	122,923,274
200,000 " 499,999	720	23,132	60,731,833	3,732,945	121,961,707	232,197,463
500,000 " 999,999	301	18,645	52,746,924	2,623,605	112,665,576	209,614,683
1,000,000 " 4,999,999	226	31,057	98,169,531	4,040,910	219,515,343	401,344,289
5,000,000 and over	22	14,431	51,363,797	1,536,153	113,281,684	220,067,356
Head Offices ¹	—	1,073	5,824,936	—	—	—
Totals	11,804	133,673	354,439,897	18,918,344	723,815,493	1,375,343,554
Paper products:						
Under \$10,000	22	39	49,013	2,889	37,691	107,621
\$ 10,000 to \$ 24,999	22	88	150,863	9,206	170,666	392,615
25,000 " 49,999	38	266	530,123	20,920	650,854	1,445,554
50,000 " 99,999	48	454	1,075,615	51,632	1,835,128	3,671,298
100,000 " 199,999	67	1,119	2,591,618	124,403	4,656,993	9,258,568
200,000 " 499,999	92	2,993	7,542,199	564,581	14,190,352	29,232,822
500,000 " 999,999	67	3,926	11,089,179	1,135,214	24,532,143	48,000,461
1,000,000 " 4,999,999	141	19,305	63,157,534	7,983,382	180,651,598	321,797,007
5,000,000 and over	83	59,007	247,126,142	84,883,056	566,282,644	1,340,192,559
Head Offices ¹	—	2,553	16,464,763	—	—	—
Totals	580	89,750	349,777,049	94,775,283	793,008,069	1,754,098,505
Printing, publishing and allied industries:						
Under \$10,000	1,617	1,515	1,846,794	114,710	3,342,530	6,269,632
\$ 10,000 to \$ 24,999	976	3,117	6,080,506	255,463	6,558,318	16,199,387
25,000 " 49,999	651	4,168	9,897,893	281,228	8,134,162	23,425,913
50,000 " 99,999	500	5,264	15,039,945	413,466	12,166,239	35,769,361
100,000 " 199,999	309	5,954	18,090,373	425,723	14,079,296	43,431,720
200,000 " 499,999	233	9,212	29,876,058	671,949	22,639,084	72,446,518
500,000 " 999,999	107	8,878	31,002,626	675,522	20,805,264	73,829,924
1,000,000 " 4,999,999	85	18,181	65,225,881	1,216,697	56,390,980	183,612,120
5,000,000 and over	16	13,203	56,957,162	941,861	55,045,870	164,844,211
Head Offices ¹	—	110	562,620	—	—	—
Totals	4,494	69,602	234,579,858	4,996,619	199,161,743	619,828,786
Iron and steel products:						
Under \$10,000	230	396	687,442	57,807	371,620	1,381,866
\$ 10,000 to \$ 24,999	441	1,525	3,494,197	227,298	2,292,088	7,484,408
25,000 " 49,999	411	2,755	7,029,981	393,440	4,700,809	14,912,217
50,000 " 99,999	413	4,390	12,702,811	741,685	10,209,167	29,206,260
100,000 " 199,999	380	6,894	21,728,786	1,072,626	21,338,679	54,393,615
200,000 " 499,999	422	14,482	47,473,819	2,238,394	56,198,656	135,091,980
500,000 " 999,999	230	16,026	55,958,347	2,814,794	72,623,825	163,517,455
1,000,000 " 4,999,999	292	54,999	195,532,520	9,898,349	298,225,000	652,362,948
5,000,000 and over	76	79,615	320,270,747	37,299,377	539,287,349	1,184,367,269
Head Offices ¹	—	618	2,778,429	—	—	—
Totals	2,895	181,700	667,687,079	54,743,770	1,005,246,993	2,242,717,918
Transportation equipment:						
Under \$10,000	111	187	246,332	18,296	175,444	499,573
\$ 10,000 to \$ 24,999	69	238	483,223	27,938	370,348	1,062,514
25,000 " 49,999	59	387	948,797	56,965	912,652	2,152,068
50,000 " 99,999	63	701	1,921,670	87,746	1,722,768	4,490,002
100,000 " 199,999	67	1,365	4,230,676	174,112	4,024,907	9,793,378
200,000 " 499,999	61	2,447	7,698,722	387,265	7,808,102	19,381,766
500,000 " 999,999	39	2,479	8,487,851	304,227	11,807,799	26,369,982
1,000,000 " 4,999,999	70	16,424	56,695,754	2,110,484	71,095,594	157,437,470
5,000,000 and over	50	107,479	409,315,817	15,909,243	1,019,851,222	1,729,223,262
Head Offices ¹	—	82	426,454	—	—	—
Totals	594	131,789	490,434,996	19,076,276	1,117,768,836	1,950,410,035

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1955 — Concluded

Industrial group, by size	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Non-ferrous metal products:						
Under \$10,000.....	57	80	117,812	7,988	122,964	293,112
\$ 10,000 to \$ 24,999.....	92	329	674,092	33,182	617,486	1,607,382
25,000 " 49,999.....	62	413	919,145	52,139	1,036,568	2,276,372
50,000 " 99,999.....	80	837	2,233,839	115,621	2,573,095	5,645,636
100,000 " 199,999.....	88	1,513	4,186,162	196,727	5,980,617	12,804,838
200,000 " 499,999.....	78	2,829	7,871,925	344,251	11,397,234	24,661,392
500,000 " 999,999.....	36	2,146	6,859,091	351,304	13,122,853	25,735,156
1,000,000 " 4,999,999.....	58	9,287	31,728,983	2,709,661	74,072,644	137,958,212
5,000,000 and over.....	30	34,483	142,073,612	58,688,816	865,868,727	1,415,998,755
Head Offices ¹	—	1,004	4,445,218	—	—	—
Totals.....	581	53,311	201,109,879	62,399,689	974,792,188	1,626,980,855
Electrical apparatus and supplies:						
Under \$10,000.....	24	35	44,100	2,160	50,120	110,442
\$ 10,000 to \$ 24,999.....	33	118	277,593	15,751	278,042	588,289
25,999 " 49,999.....	32	188	505,145	23,478	538,474	1,160,258
50,000 " 99,999.....	42	402	1,095,882	49,907	1,462,450	3,063,333
100,000 " 199,999.....	59	1,153	2,882,765	103,163	4,079,270	8,730,314
200,000 " 499,999.....	81	2,851	7,880,833	240,812	12,839,818	26,561,266
500,000 " 999,999.....	55	3,485	9,234,060	369,770	19,685,475	38,176,481
1,000,000 " 4,999,999.....	97	18,683	61,768,110	2,000,701	108,476,769	226,741,983
5,000,000 and over.....	45	48,443	176,222,249	5,070,483	330,245,335	657,482,146
Head Offices ¹	—	886	4,120,737	—	—	—
Totals.....	468	76,244	264,031,474	7,876,225	477,655,753	962,615,012
Non-metallic mineral products:						
Under \$10,000.....	192	324	433,772	65,932	360,188	972,819
\$ 10,000 to \$ 24,999.....	201	735	1,430,442	173,989	1,206,344	3,426,334
25,000 " 49,999.....	154	930	2,091,343	266,177	1,966,031	5,539,717
50,000 " 99,999.....	150	1,448	3,708,083	459,849	3,833,163	10,411,870
100,000 " 199,999.....	142	2,543	6,856,753	1,273,566	7,144,807	19,952,758
200,000 " 499,999.....	136	4,193	12,952,887	2,816,058	14,157,147	43,719,987
500,000 " 999,999.....	84	4,354	15,176,809	4,013,047	21,879,343	61,143,341
1,000,000 " 4,999,999.....	90	12,926	45,335,501	14,650,008	63,968,386	190,722,553
5,000,000 and over.....	22	10,584	38,909,166	16,351,092	59,973,912	178,229,422
Head Offices ¹	—	912	4,111,975	—	—	—
Totals.....	1,171	38,949	131,006,731	40,069,718	174,489,301	514,118,801
Products of petroleum and coal:						
Under \$10,000.....	1	16	41,116	3,329	36,470	89,577
\$ 10,000 to \$ 24,999.....	5	16	33,056	3,527	97,756	172,753
25,000 " 49,999.....	4	77	260,242	46,834	404,539	766,076
50,000 " 99,999.....	10	101	330,354	33,717	611,119	1,437,157
100,000 " 199,999.....	12	263	895,997	82,968	1,557,050	3,576,324
200,000 " 499,999.....	8	321	1,085,676	229,384	4,353,054	7,850,413
500,000 " 999,999.....	11	1,606	5,808,840	2,343,946	31,287,822	53,785,798
1,000,000 " 4,999,999.....	21	12,812	53,444,633	36,248,568	666,037,185	1,093,146,401
5,000,000 and over.....	34	2,274	10,533,645	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals.....	106	17,486	72,436,559	38,992,273	704,384,995	1,160,824,499
Chemicals and allied products:						
Under \$10,000.....	155	229	304,633	24,758	287,473	759,392
\$ 10,000 to \$ 24,999.....	108	308	622,300	46,587	652,234	1,809,520
25,000 " 49,999.....	114	541	1,282,329	103,234	1,695,142	4,165,885
50,000 " 99,999.....	119	842	2,190,412	158,115	3,767,470	8,147,397
100,000 " 199,999.....	136	1,406	4,200,372	344,850	8,790,588	19,568,577
200,000 " 499,999.....	170	3,550	11,172,875	805,334	24,170,602	55,060,586
500,000 " 999,999.....	131	5,045	16,611,478	1,400,672	41,882,566	92,809,416
1,000,000 " 4,999,999.....	152	14,654	50,225,501	5,563,013	150,894,042	314,875,047
5,000,000 and over.....	41	23,324	88,212,817	24,639,007	247,964,073	546,283,180
Head Offices ¹	—	1,957	10,445,225	—	—	—
Totals.....	1,126	51,856	185,267,943	33,085,570	480,104,190	1,044,079,000
Miscellaneous industries:						
Under \$10,000.....	288	404	684,802	62,584	431,027	1,439,439
\$ 10,000 to \$ 24,999.....	293	917	2,128,399	149,694	1,524,562	4,823,140
25,000 " 49,999.....	254	1,578	3,838,726	307,017	3,106,355	9,097,216
50,000 " 99,999.....	230	2,373	6,128,516	346,768	6,629,369	16,863,858
100,000 " 199,999.....	167	3,011	7,890,502	478,385	9,376,229	23,496,482
200,000 " 499,999.....	162	6,136	15,371,282	649,712	23,060,391	51,855,979
500,000 " 999,999.....	71	4,648	12,428,183	465,613	22,933,035	47,477,138
1,000,000 " 4,999,999.....	57	12,253	40,008,554	1,206,007	47,387,385	128,089,634
5,000,000 and over.....	2	—	760,126	—	—	—
Head Offices ¹	—	191	—	—	—	—
Totals.....	1,524	31,511	89,239,630	3,665,780	114,448,353	283,147,866

1. Under this heading are included only those head offices which are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1935

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1. Pulp and paper:						
\$ 25,000 to \$ 49,999	1	98	215,105	27,100	238,191	610,913
100,000 " 49,999	4					
200,000 " 99,999	7	322	785,587	277,922	728,928	2,622,973
1,000,000 " 499,999	12	731	2,146,217	729,489	3,493,894	8,751,846
5,000,000 " 4,999,999	32	5,251	18,492,070	5,906,328	45,822,068	90,961,489
Head Offices ¹	69	53,591	228,937,534	84,099,934	495,796,111	1,223,990,917
Totals	125	62,205	265,298,119	91,040,773	546,079,192	1,326,938,138
2. Non-ferrous metal smelting and refining:						
\$ 25,000 to \$ 49,999	1	402	1,410,473	893,951	3,852,300	8,519,189
1,000,000 " 499,999	4					
5,000,000 and over	19	28,204	116,778,905	56,254,559	706,910,590	1,203,197,292
Totals	24	28,606	118,189,378	57,148,510	710,762,890	1,211,716,481
3. Petroleum products:						
Under \$10,000	1					
\$ 10,000 to \$ 24,999	3	10	19,250	2,447	21,094	59,508
25,000 " 49,999	2					
50,000 " 99,999	4	45	191,527	24,935	203,178	375,596
100,000 " 199,999	2					
200,000 " 499,999	2	67	255,149	8,983	418,605	985,372
500,000 " 999,999	5	100	341,046	106,829	2,823,733	3,548,574
1,000,000 " 4,999,999	15	753	2,829,317	1,163,006	23,575,920	37,495,875
5,000,000 and over	27	10,094	43,767,903	31,287,590	615,829,604	1,006,369,530
Head Offices ¹	—	2,271	10,488,195	—	—	—
Totals	61	13,340	57,892,387	32,593,790	642,872,134	1,048,834,455
4. Motor vehicles:						
\$ 500,000 to \$ 999,999	3	134	519,801	16,326	1,591,300	2,238,930
1,000,000 " 4,999,999	5	1,152	4,259,677	147,956	5,769,576	12,509,405
5,000,000 and over	7	32,143	129,882,280	4,335,181	623,820,208	892,662,588
Totals	15	33,429	134,661,758	4,499,463	631,181,084	907,410,923
5. Slaughtering and meat packing:						
Under \$10,000	1					
\$ 10,000 to \$ 24,999	1	14	27,278	1,268	3,929	60,734
25,000 " 49,999	1					
50,000 " 99,999	10	49	108,289	20,383	571,614	731,659
100,000 " 199,999	11	101	224,173	25,781	1,426,867	1,763,932
200,000 " 499,999	33	480	1,254,537	135,990	7,735,780	10,366,058
500,000 " 999,999	23	820	2,169,193	313,011	12,028,124	16,832,077
1,000,000 " 4,999,999	29	1,691	5,487,138	456,951	46,831,116	57,975,377
5,000,000 and over	44	20,500	73,736,338	4,076,079	558,882,030	721,737,936
Totals	153	23,655	83,006,946	5,029,463	627,479,460	809,467,773
6. Sawmills:						
Under \$10,000	3,503	5,107	2,935,497	347,226	6,936,701	13,604,725
\$ 10,000 to \$ 24,999	1,301	3,663	4,383,400	436,418	11,183,631	21,199,177
25,000 " 49,999	857	4,061	6,660,774	649,943	16,316,050	30,658,881
50,000 " 99,999	711	5,780	11,430,127	1,084,067	26,710,313	50,568,953
100,000 " 199,999	492	7,023	16,335,166	1,464,868	34,927,534	68,972,195
200,000 " 499,999	279	7,728	20,899,485	1,450,998	43,981,431	87,587,586
500,000 " 999,999	90	4,668	14,779,222	770,863	29,964,144	61,399,509
1,000,000 " 4,999,999	86	10,533	36,799,498	1,535,269	86,281,721	158,339,410
5,000,000 and over	14	9,304	33,872,722	932,946	82,568,679	152,152,554
Head Offices ¹	—	719	4,460,928	—	—	—
Totals	7,333	58,586	152,556,819	8,672,598	338,870,204	644,482,990
7. Primary iron and steel:						
Under \$10,000	1					
\$ 50,000 to \$ 99,999	1	50	179,040	18,732	143,906	373,688
100,000 " 199,999	2					
200,000 " 499,999	10	408	1,455,714	191,940	864,320	3,111,361
500,000 " 999,999	7	1,548	6,463,817	635,017	1,489,873	4,683,619
1,000,000 " 4,999,999	16	2,233	8,158,715	1,666,094	14,131,250	34,201,904
5,000,000 and over	13	28,252	120,523,368	28,670,797	195,658,917	483,947,881
Head Offices ¹	—	16	98,749	—	—	—
Totals	50	32,507	136,879,403	31,182,580	212,288,266	526,318,453

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1955 - Continued

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
8. Butter and cheese:						
Under \$10,000	14	15	12,344	1,528	67,976	83,007
\$ 10,000 to \$ 24,999	68	86	104,465	30,642	1,118,707	1,274,060
25,000 " 49,999	166	298	404,680	111,581	5,557,252	6,277,002
50,000 " 99,999	296	840	1,382,021	361,735	19,360,920	21,944,877
100,000 " 199,999	403	1,979	3,934,760	969,821	50,548,915	58,849,045
200,000 " 499,999	313	3,585	8,381,240	1,720,853	77,946,406	96,155,443
500,000 " 999,999	87	2,877	7,918,715	1,212,377	43,760,858	59,993,699
1,000,000 " 4,999,999	71	8,153	25,301,651	3,044,005	95,148,125	143,011,090
5,000,000 and over	5	2,611	9,230,660	765,847	22,416,883	39,503,977
Totals	1,423	20,444	56,670,536	8,218,389	315,926,042	427,092,300
9. Aircraft and parts:						
\$ 10,000 to \$ 24,999	2	38	127,589	6,441	21,633	153,581
25,000 " 49,999	3	8	332,462	9,978	93,459	574,426
50,000 " 99,999	8	90	788,415	27,962	411,410	1,478,872
100,000 " 199,999	10	234	1,515,018	32,772	1,133,294	3,077,488
200,000 " 499,999	8	401	12,463,696	336,611	6,086,875	22,578,094
500,000 " 999,999	1	10	115,041,829	4,269,798	133,084,493	326,457,376
1,000,000 " 4,999,999	10	3,531				
5,000,000 and over	10	28,742				
Totals	52	33,036	130,269,009	4,683,562	140,831,164	354,314,837
10. Miscellaneous electrical apparatus and supplies:						
Under \$10,000	10	13	9,490	780	12,110	28,060
\$ 10,000 to \$ 24,999	10	24	50,769	2,905	70,777	163,126
25,000 " 49,999	10	54	144,667	4,111	138,881	352,364
50,000 " 99,999	12	98	317,560	10,473	403,064	859,577
100,000 " 199,999	18	339	839,858	36,040	1,405,923	2,697,538
200,000 " 499,999	31	998	2,683,684	98,383	4,427,494	9,513,607
500,000 " 999,999	23	1,375	4,007,165	188,140	8,994,330	16,401,058
1,000,000 " 4,999,999	30	5,885	18,843,997	829,769	33,205,671	74,682,567
5,000,000 and over	13	14,284	54,323,053	1,536,342	110,024,908	220,333,247
Head Offices ¹	—	222	904,914	—	—	—
Totals	157	23,292	82,125,157	2,706,943	158,683,158	325,061,144
11. Rubber goods, including footwear:						
Under \$10,000	7	13	18,360	1,863	6,455	31,680
\$ 10,000 to \$ 24,999	3	16	37,643	2,650	15,150	47,765
25,000 " 49,999	7	49	87,129	10,526	115,850	253,871
50,000 " 99,999	9	104	240,379	12,073	278,086	664,721
100,000 " 199,999	4	51	175,833	15,205	374,825	687,396
200,000 " 499,999	11	439	1,120,467	85,762	1,623,880	3,900,726
500,000 " 999,999	10	777	1,978,446	123,682	3,300,955	7,189,127
1,000,000 " 4,999,999	15	3,425	10,386,201	698,679	18,238,490	40,473,041
5,000,000 and over	16	16,977	59,479,841	3,222,671	113,121,079	269,164,052
Head Offices ¹	—	62	240,665	—	—	—
Totals	82	21,913	73,774,964	4,173,111	137,074,770	322,412,379
12. Miscellaneous food preparations:						
Under \$10,000	29	40	38,284	5,944	65,296	117,076
\$ 10,000 to \$ 24,999	29	92	115,522	17,884	241,478	485,143
25,000 " 49,999	27	121	233,912	18,986	522,572	957,778
50,000 " 99,999	37	254	579,250	52,581	1,611,114	2,750,260
100,000 " 199,999	38	396	951,627	99,069	3,543,753	5,605,176
200,000 " 499,999	42	745	1,839,884	243,608	8,448,045	13,287,463
500,000 " 999,999	39	1,345	3,596,770	297,110	18,082,966	27,540,846
1,000,000 " 4,999,999	49	3,379	9,504,609	1,109,927	79,280,169	111,876,119
5,000,000 and over	14	2,677	9,131,246	1,427,268	97,225,417	141,131,320
Head Offices ¹	—	377	1,870,627	—	—	—
Totals	304	9,426	27,861,731	3,262,377	209,020,810	303,751,181
13. Bread and other bakery products:						
Under \$10,000	431	777	775,085	164,037	1,324,650	2,675,558
\$ 10,000 to \$ 24,999	872	2,676	4,111,630	717,494	7,276,832	14,606,667
25,000 " 49,999	616	3,341	6,273,854	930,429	11,136,419	21,767,258
50,000 " 99,999	333	3,284	7,265,735	916,928	11,144,412	23,207,065
100,000 " 199,999	156	2,838	6,556,682	814,469	10,438,546	21,612,457
200,000 " 499,999	100	3,767	9,384,292	1,145,719	14,467,821	31,363,160
500,000 " 999,999	54	4,021	11,379,379	1,176,883	17,326,784	38,142,276
1,000,000 " 4,999,999	51	11,152	33,570,992	3,202,558	44,987,385	103,328,204
5,000,000 and over	5	2,560	8,442,355	588,362	15,196,401	32,316,649
Totals	2,618	34,416	87,760,004	9,656,879	133,289,250	289,019,294

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1955 - Continued

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
14. Motor vehicle parts:						
Under \$10,000	13	18	29,962	3,026	26,335	73,727
\$ 10,000 to \$ 24,999	20	70	159,973	8,674	117,014	357,144
25,000 " 49,999	18	106	231,854	13,867	312,213	692,263
50,000 " 99,999	25	279	764,547	41,438	749,062	1,847,458
100,000 " 199,999	30	576	1,821,396	85,866	2,106,188	4,698,600
200,000 " 499,999	21	616	2,072,860	113,147	3,075,567	6,720,442
500,000 " 999,999	17	1,013	3,254,555	126,457	5,579,605	11,949,277
1,000,000 " 4,999,999	30	5,010	17,450,113	836,053	36,339,666	68,744,315
5,000,000 and over	14	12,226	48,369,525	2,753,190	100,698,507	189,987,386
Head Offices ¹	—	82	426,454	—	—	—
Totals	188	19,996	74,581,239	3,981,718	149,004,157	285,070,612
15. Printing and publishing:						
Under \$10,000	157	282	487,854	42,068	210,850	956,999
\$ 10,000 to \$ 24,999	189	763	1,675,500	98,001	623,952	3,162,920
25,000 " 49,999	154	1,212	2,999,889	117,124	1,039,470	5,634,814
50,000 " 99,999	104	1,390	3,797,810	148,654	1,470,610	7,335,287
100,000 " 199,999	55	1,348	3,731,587	116,975	1,464,956	7,722,728
200,000 " 499,999	46	2,398	7,144,023	206,280	2,782,831	14,889,452
500,000 " 999,999	39	3,602	11,694,047	398,831	5,444,110	27,414,894
1,000,000 " 4,999,999	34	8,171	29,269,588	585,647	19,927,356	77,434,206
5,000,000 and over	12	10,643	46,872,060	775,275	42,055,898	130,608,195
Head Offices ¹	—	46	171,728	—	—	—
Totals	789	29,855	107,844,086	2,388,855	75,020,033	275,159,495
16. Telecommunication equipment:						
Under \$10,000	7	11	18,240	220	18,670	40,083
\$ 10,000 to \$ 24,999	10	41	103,974	5,387	92,843	157,475
25,000 " 49,999	8	54	154,419	6,410	138,281	300,958
50,000 " 99,999	14	129	334,012	9,017	519,087	1,016,524
100,000 " 199,999	24	546	1,291,811	36,235	1,593,861	3,499,544
200,000 " 499,999	17	738	2,016,657	29,772	2,681,572	5,745,939
500,000 " 999,999	10	842	2,040,223	40,274	3,189,389	7,017,264
1,000,000 " 4,999,999	21	4,318	13,432,111	248,180	25,024,714	48,370,872
5,000,000 and over	15	12,266	41,939,757	751,993	122,461,148	197,271,620
Head Offices ¹	—	91	410,086	—	—	—
Totals	126	19,036	61,741,290	1,127,488	155,719,565	263,420,279
17. Furniture:						
Under \$10,000	558	800	1,142,882	87,182	1,140,492	2,856,458
\$ 10,000 to \$ 24,999	392	1,169	2,449,989	166,326	2,610,962	6,267,810
25,000 " 49,999	230	1,300	3,175,500	176,897	3,463,628	8,011,599
50,000 " 99,999	192	2,043	4,869,725	241,868	6,409,499	13,590,148
100,000 " 199,999	147	2,705	6,985,315	315,083	10,391,763	21,214,494
200,000 " 499,999	171	6,593	17,680,160	650,188	27,746,467	55,928,437
500,000 " 999,999	78	6,079	17,320,486	562,823	26,567,014	54,733,741
1,000,000 " 4,999,999	51	8,630	26,181,041	762,862	40,849,072	82,724,014
5,000,000 and over	3	1,304	4,437,288	105,605	6,221,727	16,224,400
Totals	1,822	30,623	84,242,386	3,068,834	125,400,624	261,551,101
18. Sheet metal products:						
Under \$10,000	11	17	26,600	3,106	18,892	62,362
\$ 10,000 to \$ 24,999	39	129	276,555	18,169	278,223	686,292
25,000 " 49,999	38	235	560,320	25,888	579,159	1,458,804
50,000 " 99,999	49	434	1,172,054	64,563	1,564,988	3,516,390
100,000 " 199,999	56	908	2,640,343	121,394	3,847,128	8,198,869
200,000 " 499,999	81	2,304	7,279,554	313,369	12,803,750	26,451,094
500,000 " 999,999	39	2,323	7,611,246	319,652	12,741,375	26,951,020
1,000,000 " 4,999,999	37	6,868	23,444,585	907,597	43,857,213	87,897,254
5,000,000 and over	11	5,862	23,651,560	785,693	62,520,566	104,945,395
Totals	361	19,080	66,662,817	2,559,431	138,211,294	260,167,480
19. Machinery, industrial:						
Under \$10,000	18	25	40,810	3,584	24,115	83,084
\$ 10,000 to \$ 24,999	23	82	190,566	12,637	130,023	408,883
25,000 " 49,999	38	262	682,178	39,469	529,232	1,389,402
50,000 " 99,999	32	327	1,057,798	57,471	879,360	2,289,286
100,000 " 199,999	56	1,013	3,389,444	149,704	3,059,703	8,134,936
200,000 " 499,999	49	1,844	6,246,214	211,958	6,076,634	15,268,462
500,000 " 999,999	43	3,175	11,352,367	369,093	13,350,936	31,585,596
1,000,000 " 4,999,999	56	11,170	40,247,207	1,259,308	50,318,092	117,647,569
5,000,000 and over	6	5,595	21,820,801	790,688	28,297,802	76,137,160
Head Offices ¹	—	345	1,502,320	—	—	—
Totals	321	23,838	86,529,705	2,893,912	102,665,897	252,944,378

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1955 — Concluded

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
20. Clothing, men's factory:						
Under \$10,000	18	41	40,891	1,219	38,825	83,685
\$ 10,000 to \$ 24,999	31	118	170,216	6,710	294,566	537,659
25,000 " 49,999	40	234	434,404	14,295	824,839	1,429,819
50,000 " 99,999	73	829	1,497,525	35,184	3,035,534	5,514,238
100,000 " 199,999	126	2,408	4,562,538	106,424	10,972,417	18,476,245
200,000 " 499,999	159	5,907	12,518,253	216,932	30,308,892	52,246,798
500,000 " 999,999	67	5,588	11,690,513	164,464	27,347,219	48,403,464
1,000,000 " 4,999,999	53	13,702	30,689,862	361,178	56,287,932	102,873,329
5,000,000 and over	3	2,402	6,152,641	48,039	8,747,442	20,897,078
Head Offices ¹	—	216	1,052,452	—	—	—
Totals	570	31,445	68,809,295	954,445	137,857,666	250,462,315
21. Railway rolling stock:						
\$ 100,000 to \$ 199,999	1	108	340,472	93,581	776,143	1,007,198
200,000 " 499,999	3	185	569,449	25,727	1,135,048	1,781,269
500,000 " 999,999	3	3,245	10,992,922	353,577	11,179,597	23,689,894
1,000,000 " 4,999,999	10	21,862	74,354,780	3,467,203	126,384,274	219,260,969
5,000,000 and over	15	—	—	—	—	—
Totals	32	25,400	86,257,623	3,940,088	139,475,062	245,739,330
22. Sash, door and planing mills:						
Under \$10,000	645	941	1,181,653	121,124	1,145,070	2,877,185
\$ 10,000 to \$ 24,999	329	1,017	2,021,069	158,994	2,347,038	5,281,755
25,000 " 49,999	240	1,420	3,208,178	248,347	3,785,798	8,754,808
50,000 " 99,999	168	1,746	4,188,805	361,816	5,809,630	11,916,085
100,000 " 199,999	158	2,659	6,741,082	491,118	11,832,348	22,450,342
200,000 " 499,999	175	4,964	12,645,881	1,072,000	35,577,025	57,730,938
500,000 " 999,999	75	3,508	9,615,095	661,216	35,692,334	53,646,836
1,000,000 " 4,999,999	47	3,862	12,061,139	647,539	52,174,982	75,623,857
Head Offices ¹	—	122	542,776	—	—	—
Totals	1,837	20,239	52,185,678	3,762,094	148,364,225	238,281,804
23. Fruit and vegetable preparations:						
Under \$10,000	34	42	32,796	3,738	90,036	163,929
\$ 10,000 to \$ 24,999	60	230	291,887	35,564	744,065	988,087
25,000 " 49,999	45	271	325,524	34,110	1,044,892	1,653,888
50,000 " 99,999	59	582	860,960	98,342	2,729,940	4,429,554
100,000 " 199,999	70	1,258	1,898,967	212,536	6,647,988	10,062,076
200,000 " 499,999	81	2,579	4,522,818	440,900	16,780,012	26,105,021
500,000 " 999,999	61	3,516	7,062,755	653,556	27,468,869	43,682,464
1,000,000 " 4,999,999	45	5,391	12,623,888	982,815	49,850,898	80,576,744
5,000,000 and over	4	2,890	10,222,450	657,912	38,601,845	66,413,563
Head Offices ¹	—	302	1,097,531	—	—	—
Totals	459	17,151	38,939,576	3,119,473	143,958,545	234,075,326
24. Cotton yarn and cloth:						
\$ 10,000 to \$ 24,999	1	25	42,509	4,039	63,045	123,488
25,000 " 49,999	2	—	—	—	—	—
50,000 " 99,999	1	—	—	—	—	—
100,000 " 199,999	4	213	406,174	26,954	665,514	1,280,389
200,000 " 499,999	4	248	703,404	41,725	2,744,483	3,753,738
500,000 " 999,999	5	4,544	11,626,365	915,074	27,892,726	48,273,683
1,000,000 " 4,999,999	20	15,665	39,897,727	3,095,974	118,195,661	176,252,743
5,000,000 and over	15	842	3,734,871	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	50	21,537	56,411,050	4,083,766	149,561,429	229,684,041
25. Clothing, women's factory:						
Under \$10,000	17	39	51,527	3,716	50,828	96,306
\$ 10,000 to \$ 24,999	42	212	381,903	10,733	334,672	745,773
25,000 " 49,999	61	443	763,253	18,795	1,088,505	2,228,548
50,000 " 99,999	110	1,211	2,581,568	46,795	4,268,515	8,162,478
100,000 " 199,999	151	3,005	6,686,132	95,666	11,214,619	22,073,977
200,000 " 499,999	234	9,120	21,241,411	250,870	38,934,259	74,303,628
500,000 " 999,999	97	7,342	17,162,626	165,246	36,049,062	66,345,146
1,000,000 and over	38	5,537	12,526,716	119,354	29,917,717	52,591,222
Head Offices ¹	—	16	60,244	—	—	—
Totals	750	26,925	61,455,380	711,175	121,858,177	226,347,078

1. Under this heading are included only those head offices that are not located at the plant.

Size as Measured by Number of Employees.—In 1929, establishments employing 501 hands or over accounted for 27.3 p.c. of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments employing 101 hands or over. In 1929 they employed 61.9 p.c., in 1933, 55.7 p.c. and in 1939, 61.5 p.c.

The effect of the War on the concentration of industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25.6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47.0. In a further subdivision of this group in 1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499, and 101 employed over 1,500. Altogether there were 12 plants employing over 7,000 persons, the largest having an employment of a little over 13,000 with the next three largest employing between

9,000 and 10,000. Three other plants employed between 8,000 and 9,000 persons, while the lowest five plants in this group employed between 7,000 and 8,000 workers.

With the resumption of peace-time production the larger establishments declined in size so that by 1955 only 61 establishments employed over 1,500 persons, as compared with 101 in 1944. The largest manufacturing plant in Canada in 1955 employed over 9,000. In the 8,000 to 9,000 group there were three establishments, in the 7,000 to 8,000 group two establishments and in the 6,000 to 7,000 group three establishments. The following is the size distribution of the highest group, 1,500 and over.

Employees	Establishments
1,500 to 2,999	41
3,000 to 3,999	4
4,000 to 4,999	4
5,000 to 5,999	3
6,000 and over	9
Total	61

TABLE 50. Manufacturing Establishments, Classified by Number of Employees per Establishment, and by Provinces, 1955

Province	Up to 499	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland	782	1	—	1	1	785
Prince Edward Island	204	—	—	—	—	204
Nova Scotia	1,519	1	2	—	2	1,524
New Brunswick	1,045	3	1	3	—	1,052
Quebec	12,056	62	23	32	21	12,194
Ontario	13,095	94	23	32	32	13,276
Manitoba	1,539	5	—	3	2	1,549
Saskatchewan	960	—	—	—	—	960
Alberta	2,119	5	1	1	—	2,126
British Columbia	4,457	12	10	4	3	4,486
Yukon and Northwest Territories	26	—	—	—	—	26
Canada	37,802	183	60	76	61	38,182

TABLE 51. Manufacturing Establishments Classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1955

Group	1929 ¹			1939 ²		
	Estab- lishments	Employees	Average per estab- lishment	Estab- lishments	Employees	Average per estab- lishment
	Number					
Under 5 employees	12,273	30,446	2.5	13,002	28,020	2.2
5 to 20 employees	6,160	62,310	10.1	6,985	68,151	9.8
21 " 50 " "	2,531	81,846	32.3	2,330	75,324	32.3
51 " 100 " "	1,262	90,238	71.5	1,158	81,646	70.5
101 " 200 " "	745	103,944	139.5	695	97,063	139.7
201 " 500 " "	444	136,397	307.2	458	139,687	305.0
501 and over	182	189,253	1,040.0	172	168,168	977.7
Totals and averages	23,597	694,434	29.4	24,800	658,059	26.5
	1944			1955 ⁴		
Under 5 employees	13,208	29,958	2.3	16,762	36,340	2.2
5 to 14 employees	7,111	58,404	8.2	9,864	81,471	8.3
15 " 49 " "	4,615	124,408	27.0	6,340	169,575	26.7
50 " 99 " "	1,622	113,869	70.2	2,082	144,411	69.4
100 " 199 " "	900	126,192	140.2	1,175	163,091	138.8
200 " 499 " "	644	196,707	305.4	739	227,667	308.1
500 " 999 " "	383	573,344	1,497.0	243	187,720	690.2
1,000 " 1,499 " "				76	91,208.4	1,208.4
1,500 and over				61	200,413	3,285.5
Head offices ³	—	—	—	—	15,933	—
Not classifiable	—	—	—	840	—	—
Totals and averages	28,483	1,222,882	42.9	38,182	1,298,461	34.0

1. Includes central electric stations, dyeing, cleaning and laundry establishments.

2. Exclusive of Yukon and the Northwest Territories.

3. Under this heading are included only those head offices which are not located at the plant.

4. Includes Newfoundland.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1955

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Under 5 employees.....	16,762	36,340	59,398,282	7,072,631	199,845,053	321,060,294
5 to 14 employees.....	9,864	81,471	196,188,927	17,163,636	506,403,606	893,496,603
15 " 49 ".....	6,340	169,575	454,759,369	33,963,960	1,115,389,803	2,044,648,477
50 " 99 ".....	2,082	144,411	403,644,799	30,312,185	945,706,232	1,801,018,280
100 " 199 ".....	1,175	163,091	484,002,822	40,579,416	1,255,172,356	2,321,740,177
200 " 499 ".....	739	227,667	744,303,960	89,155,333	1,904,357,908	3,711,460,113
500 " 999 ".....	243	167,720	602,245,780	92,021,915	1,503,425,348	2,979,667,148
1,000 " 1,499 ".....	76	91,840	332,556,092	41,676,418	736,449,982	1,455,947,279
1,500 and over.....	61	200,413	785,252,917	105,823,796	2,067,232,636	3,979,843,717
Not classifiable ¹	840	—	—	—	4,219,241	5,051,123
Head Offices ²	—	15,933	80,056,591	20,180	—	—
Totals.....	38,182	1,298,461	4,142,409,534	457,789,470	10,338,202,165	19,513,933,811
Foods and beverages:						
Under 5 employees.....	3,877	9,204	14,993,614	3,498,375	114,525,283	147,363,140
5 to 14 employees.....	2,477	19,620	41,486,376	7,266,389	222,442,534	315,916,948
15 " 49 ".....	1,093	29,018	68,797,442	9,956,067	340,310,522	510,751,581
50 " 99 ".....	323	22,469	60,998,433	6,832,393	257,922,306	423,261,504
100 " 199 ".....	210	29,241	81,652,944	8,234,655	380,874,150	612,546,853
200 " 499 ".....	113	34,415	107,267,070	9,110,182	476,182,638	753,779,588
500 " 999 ".....	32	21,875	70,413,146	5,530,536	290,186,105	487,602,268
1,000 " 1,499 ".....	8	12,557	45,378,139	3,030,040	237,339,411	363,093,734
1,500 and over.....	1	—	—	—	—	—
Head Offices ²	—	1,686	7,799,413	20,180	—	—
Totals.....	8,134	180,085	498,786,577	53,478,817	2,319,782,949	3,614,315,616
Tobacco and tobacco products:						
Under 5 employees.....	19	37	46,612	3,410	48,038	115,011
5 to 14 employees.....	8	63	102,941	9,173	138,017	322,168
15 " 49 ".....	7	211	513,175	20,216	1,521,511	2,998,260
50 " 99 ".....	5	338	657,278	22,746	2,214,397	3,516,270
100 " 199 ".....	4	654	1,488,733	92,474	28,600,937	31,951,249
200 " 499 ".....	8	2,303	5,633,014	234,498	58,180,320	74,881,776
500 " 999 ".....	3	—	—	—	—	—
1,500 and over.....	2	5,918	20,991,238	348,680	72,324,665	137,149,051
Head Offices ²	—	5	13,900	—	—	—
Totals.....	56	9,529	29,446,891	731,197	163,027,885	250,933,785
Rubber products:						
Under 5 employees.....	11	27	50,097	6,642	44,676	122,711
5 to 14 employees.....	14	110	301,494	19,298	468,502	985,102
15 " 49 ".....	18	506	1,439,227	116,968	4,627,695	8,353,803
50 " 99 ".....	6	383	1,029,782	105,368	1,843,449	4,374,057
100 " 199 ".....	8	953	2,681,352	186,244	3,909,924	9,208,683
200 " 499 ".....	10	3,238	10,277,519	707,584	18,289,993	41,961,437
500 " 999 ".....	7	4,620	14,587,167	595,059	16,034,251	42,314,781
1,500 and over.....	6	12,014	43,167,661	2,435,948	91,856,280	215,091,805
Head Offices ²	2	62	240,665	—	—	—
Totals.....	82	21,913	73,774,964	4,173,111	137,074,770	322,412,379
Leather products:						
Under 5 employees.....	139	307	540,962	41,193	1,088,662	2,002,042
5 to 14 employees.....	138	1,198	2,411,275	84,092	3,696,580	7,538,939
15 " 49 ".....	191	5,423	11,636,585	374,215	17,411,796	34,774,245
50 " 99 ".....	87	6,332	13,443,525	340,873	20,068,222	40,756,511
100 " 199 ".....	61	8,546	19,735,268	546,029	29,427,948	60,969,869
200 " 499 ".....	28	—	—	—	—	—
500 " 999 ".....	2	8,769	21,202,661	729,974	37,268,411	72,001,484
Totals.....	646	30,575	68,970,276	2,116,376	108,961,619	218,043,090
Textile mills:						
Under 5 employees.....	232	576	1,110,962	67,255	2,018,429	4,071,352
5 to 14 employees.....	276	2,371	5,297,199	274,201	14,350,447	24,370,164
15 " 49 ".....	252	6,682	15,595,104	978,138	44,267,129	73,992,126
50 " 99 ".....	81	5,519	13,795,535	944,111	37,617,027	61,740,987
100 " 199 ".....	66	9,460	25,871,417	1,542,264	64,629,204	112,038,057
200 " 499 ".....	45	14,381	38,600,802	3,029,456	70,851,955	137,615,034
500 " 999 ".....	11	7,229	20,701,743	1,444,530	50,969,744	101,497,276
1,000 " 1,499 ".....	10	11,709	30,004,699	2,574,374	85,447,673	131,646,816
1,500 and over.....	4	9,041	26,955,425	2,962,852	38,738,968	87,543,653
Head Offices ²	—	2,176	9,872,158	—	—	—
Totals.....	977	69,144	187,805,044	13,817,181	408,890,576	734,515,445

1. Consists of the industry "Publishing (only) of Periodicals".

2. Under this heading are included only those head offices that are not located at the plant.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1955 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Knitting mills:						
Under 5 employees.....	40	91	191,767	10,472	604,266	1,077,368
5 to 14 employees.....	43	392	761,372	34,981	1,758,689	3,149,312
15 " 49 ".....	96	2,759	5,888,737	233,828	11,899,295	23,075,523
50 " 99 ".....	55	4,013	8,207,740	310,946	13,765,336	27,703,091
100 " 199 ".....	31	4,048	8,649,420	359,483	15,490,149	29,752,005
200 " 499 ".....	28	8,055	18,528,085	675,791	25,277,495	56,758,385
500 " 999 ".....	3	2,199	4,478,797	246,372	6,910,284	13,671,079
Head Offices ²	—	101	502,290	—	—	—
Totals	296	21,658	47,208,208	1,871,873	75,705,514	155,186,763
Clothing (textile and fur):						
Under 5 employees.....	524	1,331	2,842,221	108,661	11,910,830	18,578,798
5 to 14 employees.....	721	6,302	14,580,568	345,252	37,391,687	64,094,385
15 " 49 ".....	925	25,490	56,961,733	927,663	100,312,721	194,099,741
50 " 99 ".....	305	21,125	45,225,372	675,171	83,068,104	155,889,357
100 " 199 ".....	121	16,322	34,368,936	452,473	64,465,637	122,203,608
200 " 499 ".....	45	13,626	29,577,736	380,533	45,470,740	92,733,700
500 " 999 ".....	6	5,247	11,725,876	111,615	17,263,219	36,762,313
1,000 " 1,499 ".....	1	—	—	—	—	—
Head Offices ²	—	243	1,154,037	—	—	—
Totals	2,648	89,686	196,436,479	3,001,368	359,882,938	684,361,902
Wood products:						
Under 5 employees.....	7,552	14,777	18,243,667	1,742,624	38,302,827	75,019,807
5 to 14 employees.....	2,523	20,348	45,009,905	3,981,438	99,282,499	186,353,307
15 " 49 ".....	1,225	31,955	84,452,892	5,528,033	199,459,724	359,844,409
50 " 99 ".....	291	19,604	54,355,461	2,594,021	111,204,238	209,024,377
100 " 199 ".....	153	20,421	61,250,191	2,494,262	110,772,038	215,817,687
200 " 499 ".....	42	12,412	38,963,055	1,152,367	63,118,782	135,472,256
500 " 999 ".....	16	—	—	—	—	—
1,000 " 1,499 ".....	2	13,083	46,339,790	1,425,599	101,665,385	193,811,711
Head Offices ²	—	1,073	5,824,936	—	—	—
Totals	11,804	133,673	354,439,897	18,918,344	723,815,493	1,375,343,554
Paper products:						
Under 5 employees.....	52	134	252,495	14,758	657,292	1,258,789
5 to 14 employees.....	120	1,083	2,824,984	230,393	7,898,167	14,276,823
15 " 49 ".....	137	3,928	10,371,611	752,046	28,429,036	51,676,229
50 " 99 ".....	95	6,709	20,053,718	1,967,781	58,268,245	108,763,279
100 " 199 ".....	68	9,616	31,477,474	4,422,479	86,420,058	158,712,106
200 " 499 ".....	62	20,327	75,687,914	20,089,149	213,760,564	429,271,168
500 " 999 ".....	32	24,362	103,351,497	36,893,318	232,782,294	558,057,252
1,000 " 1,499 ".....	9	11,905	51,304,837	16,077,189	93,604,190	242,957,470
1,500 and over.....	5	9,133	37,987,756	14,328,170	71,188,223	189,125,389
Head Offices ²	—	2,553	16,464,763	—	—	—
Totals	580	89,750	349,777,049	94,775,283	793,008,069	1,754,098,505
Printing, publishing and allied industries:						
Under 5 employees.....	1,784	3,933	7,777,057	346,902	10,313,537	23,745,882
5 to 14 employees.....	1,133	9,330	25,494,594	693,895	21,093,485	61,864,896
15 " 49 ".....	475	12,138	38,155,096	881,018	27,212,832	91,549,593
50 " 99 ".....	144	10,137	33,085,178	744,253	26,231,506	85,915,600
100 " 199 ".....	64	8,605	29,082,194	614,608	21,820,121	72,753,065
200 " 499 ".....	38	11,789	41,826,365	774,885	34,829,479	116,934,236
500 " 999 ".....	12	7,966	32,562,482	477,253	30,603,382	93,832,613
1,000 " 1,499 ".....	3	—	—	—	—	—
1,500 and over.....	1	5,594	26,034,272	463,805	22,838,160	68,181,778
Head Offices ²	—	110	562,620	—	—	—
Not classifiable ¹	840	—	—	—	4,219,241	5,051,123
Totals	4,494	69,602	234,579,858	4,996,619	199,161,743	619,828,786
Iron and steel products:						
Under 5 employees.....	710	1,802	4,364,023	371,707	5,566,710	13,685,286
5 to 14 employees.....	864	7,469	21,478,802	1,207,605	25,429,270	61,800,845
15 " 49 ".....	744	19,769	64,662,931	3,338,362	92,457,093	208,934,001
50 " 99 ".....	257	18,119	61,651,522	3,281,207	104,466,719	220,065,023
100 " 199 ".....	136	19,707	69,904,010	3,720,565	107,365,054	233,472,308
200 " 499 ".....	126	39,105	143,432,610	7,698,422	216,572,420	489,829,504
500 " 999 ".....	38	26,233	99,650,981	4,930,947	144,418,736	306,849,793
1,000 " 1,499 ".....	9	11,027	43,754,903	4,489,581	77,225,991	160,043,591
1,500 and over.....	11	37,851	155,978,868	25,705,374	231,745,000	548,037,567
Head Offices ²	—	618	2,778,429	—	—	—
Totals	2,895	181,700	667,657,079	54,743,770	1,005,246,993	2,242,717,918

1. Consists of the industry "Publishing (only) of Periodicals".

2. Under this heading are included only those head offices that are not located at the plant.

TABLE 52. Principals Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1955 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Transportation equipment:						
Under 5 employees	188	430	807,567	52,068	787,280	2,124,557
5 to 14 employees	128	1,164	3,247,496	166,806	4,330,344	9,585,021
15 " 49 "	108	3,000	9,806,959	410,809	13,837,975	29,374,463
50 " 99 "	48	3,196	10,333,885	422,189	13,522,354	30,776,234
100 " 199 "	39	5,570	18,964,685	840,636	32,101,437	65,111,614
200 " 499 "	32	10,478	37,847,408	1,536,904	59,492,721	129,755,593
500 " 999 "	20	13,865	51,329,879	1,941,072	115,700,160	190,925,299
1,000 " 1,499 "	15	17,086	59,787,247	3,227,190	86,163,842	173,894,660
1,500 and over	16	76,918	297,883,416	10,478,602	791,832,723	1,318,862,594
Head Offices ²	—	82	426,454	—	—	—
Totals	594	131,789	490,434,996	19,076,276	1,117,768,836	1,950,410,035
Non-ferrous metal products:						
Under 5 employees	157	378	814,205	61,108	1,320,024	2,737,532
5 to 14 employees	173	1,495	4,183,645	217,792	9,489,979	16,758,803
15 " 49 "	136	3,538	11,008,880	780,642	56,730,036	77,732,497
50 " 99 "	45	3,170	9,148,989	541,448	27,060,515	46,295,543
100 " 199 "	26	3,764	12,014,764	1,591,597	77,205,490	105,716,210
200 " 499 "	25	8,383	29,848,996	7,597,055	85,330,047	179,182,659
500 " 999 "	8	5,528	20,551,763	9,179,104	161,579,963	232,582,021
1,000 " 1,499 "	3	3,606	15,207,791	6,013,065	85,165,831	138,690,703
1,500 and over	8	22,445	93,885,628	36,417,878	470,910,303	827,284,887
Head Offices ²	—	1,004	4,445,218	—	—	—
Totals	581	53,311	201,109,879	62,399,689	974,792,188	1,626,980,855
Electrical apparatus and supplies:						
Under 5 employees	66	153	331,667	17,930	969,384	1,548,776
5 to 14 employees	88	747	2,173,717	93,444	4,576,501	8,798,202
15 " 49 "	129	3,619	10,218,485	434,243	26,754,603	48,257,819
50 " 99 "	57	4,115	11,885,331	452,870	25,914,135	48,938,218
100 " 199 "	47	6,392	20,339,592	648,963	42,155,442	82,521,182
200 " 499 "	47	14,887	49,137,544	1,660,458	109,198,237	209,962,784
500 " 999 "	22	14,501	51,253,322	1,509,631	112,054,109	212,823,710
1,000 " 1,499 "	4	4,801	16,680,335	495,392	44,067,216	73,625,915
1,500 and over	8	26,143	97,890,744	2,563,294	111,966,126	276,138,406
Head Offices ²	—	886	4,120,737	—	—	—
Totals	468	76,244	264,031,474	7,876,225	477,655,753	962,615,012
Non-metallic mineral products:						
Under 5 employees	404	950	1,869,763	272,770	2,969,639	6,864,830
5 to 14 employees	354	2,943	7,612,289	1,047,675	11,875,030	28,315,426
15 " 49 "	247	6,605	20,686,209	5,771,329	28,788,274	84,070,740
50 " 99 "	80	5,368	18,205,585	4,950,155	22,002,344	68,871,903
100 " 199 "	50	7,287	24,840,212	9,257,170	37,384,921	113,394,500
200 " 499 "	26	7,448	26,835,506	10,464,661	39,324,780	120,766,244
500 " 999 "	9	7,438	26,845,192	8,305,958	32,144,313	91,835,058
1,000 " 1,499 "	1	912	4,111,975	—	—	—
Head Offices ²	—	—	—	—	—	—
Totals	1,171	38,949	131,006,731	40,069,718	174,489,301	514,118,801
Products of petroleum and coal:						
Under 5 employees	10	26	73,076	7,620	152,074	398,501
5 to 14 employees	23	209	672,329	135,513	4,271,230	5,988,632
15 " 49 "	26	737	2,691,566	499,769	11,259,995	22,452,923
50 " 99 "	11	744	2,867,374	2,578,031	37,733,980	56,606,762
100 " 199 "	11	1,570	6,218,641	2,678,147	64,420,077	106,530,386
200 " 499 "	17	5,320	22,634,411	16,414,273	259,816,822	429,048,681
500 " 999 "	7	6,606	26,745,517	16,678,920	326,730,817	539,798,614
1,500 and over	1	—	—	—	—	—
Head Offices ²	—	2,274	10,533,645	—	—	—
Totals	106	17,486	72,436,559	38,992,273	704,384,995	1,160,824,499
Chemicals and allied products:						
Under 5 employees	362	800	1,817,581	147,753	4,870,713	10,761,420
5 to 14 employees	322	2,746	8,247,093	693,711	25,925,144	52,880,965
15 " 49 "	246	6,745	22,267,722	2,068,278	77,429,970	151,231,233
50 " 99 "	105	7,252	23,897,750	2,982,020	77,858,142	153,845,210
100 " 199 "	43	6,099	21,229,041	2,351,164	71,026,300	144,533,221
200 " 499 "	31	9,481	36,205,864	6,558,355	81,371,575	212,151,653
500 " 999 "	11	7,831	29,009,044	8,382,567	58,164,778	146,033,413
1,000 " 1,499 "	4	8,945	32,148,623	9,901,722	83,457,568	172,641,885
1,500 and over	2	—	—	—	—	—
Head Offices ²	—	1,957	10,445,225	—	—	—
Totals	1,126	51,856	185,267,943	33,085,570	480,104,190	1,044,079,000

2. Under this heading are included only those head offices that are not located at the plant.

TABLE 52. Principals Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1955 — Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Miscellaneous industries:						
Under 5 employees	635	1,384	3,270,946	301,383	3,695,389	9,584,492
5 to 14 employees	459	3,881	10,302,848	661,978	11,975,501	30,496,665
15 " 49 "	285	7,452	19,605,015	892,336	32,679,596	71,479,291
50 " 99 "	87	5,820	14,802,336	566,602	24,945,213	54,674,374
100 " 199 "	37	4,836	14,233,948	546,203	17,103,469	44,507,474
200 " 499 "	16	4,472	13,408,500	374,164	13,161,811	36,953,173
500 " 999 "	4	3,475	12,855,911	323,114	10,887,374	35,452,397
1,000 " 1,499 "	1					
Head Offices ²	—	191	760,126	—	—	—
Totals	1,524	31,511	89,239,630	3,665,780	114,448,353	283,147,866

2. Under this heading are included only those head offices that are not located at the plant.

Size of Establishment in Leading Industries.—Table 53 summarizes the degree of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of motor vehicles, non-ferrous metal smelting and refining, railway rolling-stock, cotton yarn and cloth, primary iron and steel, pulp and paper, and heavy electrical machinery; whereas

in the case of women's factory clothing, miscellaneous food preparations, furniture, butter and cheese, bread and other bakery products, fruit and vegetable preparations, sawmills and men's factory clothing, the degree of concentration is low. This concentration is analysed in detail for each of the twenty-five leading industries in the tables following.

TABLE 53. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1955

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total shipments in the industry
1	Pulp and paper	77	61.6	94.1
2	Non-ferrous metal smelting and refining	18	75.0	97.7
3	Petroleum products	17	27.9	84.1
4	Motor vehicles	10	66.7	99.2
5	Slaughtering and meat packing	32	20.9	78.3
6	Sawmills	24	0.3	28.6
7	Primary iron and steel	14	28.0	90.8
8	Butter and cheese	17	1.2	19.8
9	Aircraft and parts	15	28.8	96.5
10	Miscellaneous electrical apparatus and supplies	24	15.3	69.2
11	Rubber goods, including footwear	25	30.5	92.9
12	Miscellaneous food preparations	4	1.3	21.6
13	Bread and other bakery products	26	1.0	31.1
14	Motor vehicle parts	21	11.2	75.4
15	Printing and publishing	32	4.1	68.8
16	Telecommunication equipment	24	19.1	84.9
17	Furniture	15	0.8	16.7
18	Sheet metal products	23	6.4	55.8
19	Machinery, industrial	30	9.3	56.2
20	Clothing, men's factory	31	5.4	36.0
21	Railway rolling stock	21	65.6	96.5
22	Sash, door and planing mills	—	—	12.0
23	Fruit and vegetable preparations	6	1.3	29.1
24	Cotton, yarn and cloth	25	50.0	92.2
25	Clothing, women's factory	6	0.8	4.8

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1955

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1. Pulp and paper:						
5 to 14 employees	2	347	967,988	370,724	1,802,101	4,931,855
15 " 49 "	11					
50 " 99 "	17					
100 " 199 "	18					
200 " 499 "	33					
500 " 999 "	30	11,839	48,454,563	18,959,814	122,288,582	276,516,142
1,000 " 1,499 "	9	23,045	98,794,973	36,738,121	223,308,062	540,393,880
1,500 and over	5	11,905	51,304,837	16,077,189	93,604,190	242,957,470
Head Offices ¹	—	9,133	37,987,756	14,328,170	71,188,223	189,125,389
Totals	125	62,205	265,298,119	91,040,773	546,079,192	1,326,938,138
2. Non-ferrous metal smelting and refining:						
15 to 49 employees	3	598	2,081,462	971,657	19,505,593	28,326,189
50 " 99 "	3					
100 " 199 "	4					
200 " 499 "	5					
500 " 999 "	4					
1,000 " 1,499 "	2	22,451	94,751,317	41,125,459	506,175,150	889,797,107
1,500 and over	7					
Totals	24	28,606	118,189,378	57,148,510	710,762,890	1,211,716,481
3. Petroleum products:						
Under 5 employees	7	16	37,779	5,747	118,844	332,869
5 to 14 employees	8	86	310,028	71,749	1,796,339	2,407,149
15 " 49 "	12	356	1,445,009	376,903	8,944,066	16,249,079
50 " 99 "	8	554	2,121,315	1,918,802	33,086,048	47,774,404
100 " 199 "	9	1,231	5,165,479	2,615,224	62,748,166	100,483,739
200 " 499 "	11	3,606	16,009,250	11,908,417	225,336,993	371,695,012
500 " 999 "	5	5,220	22,315,332	15,696,948	310,841,678	509,892,203
1,500 and over	1					
Head Offices ¹	—	2,271	10,488,195	—	—	—
Totals	61	13,340	57,892,387	32,593,790	642,872,134	1,048,834,455
4. Motor vehicles:						
15 to 49 employees	1	134	519,801	16,326	1,591,300	2,238,930
50 " 99 "	2					
100 " 199 "	2					
200 " 499 "	3					
500 " 999 "	3					
1,500 and over	4	30,133	122,787,332	4,009,109	588,205,413	845,755,009
Totals	15	33,429	134,661,758	4,499,463	631,181,084	907,410,923
5. Slaughtering and meat packing:						
Under 5 employees	9	27	56,078	8,907	717,902	829,162
5 to 14 employees	41	385	946,209	122,983	12,207,413	13,959,120
15 " 49 "	41	1,134	3,183,012	368,846	33,926,166	41,353,814
50 " 99 "	16	1,178	4,083,515	322,840	29,591,833	38,140,857
100 " 199 "	14	2,052	6,731,213	560,628	65,433,448	81,166,920
200 " 499 "	20	6,297	22,356,533	1,213,337	165,873,756	210,670,482
500 " 999 "	8	6,086	20,985,268	822,708	139,709,500	187,375,874
1,000 " 1,499 "	3	6,496	24,665,118	1,609,214	180,019,442	235,971,544
1,500 and over	1					
Totals	153	23,655	83,006,946	5,029,463	627,479,460	809,467,773
6. Sawmills:						
Under 5 employees	5,208	10,196	9,806,838	1,047,653	26,723,175	49,999,806
5 to 14 employees	1,471	11,785	24,367,637	2,392,280	57,326,649	110,870,763
15 " 49 "	504	12,340	33,486,717	2,385,076	78,462,339	148,929,918
50 " 99 "	75	4,941	15,085,291	693,177	29,177,040	58,784,188
100 " 199 "	51	6,797	22,582,975	990,936	48,071,463	91,390,963
200 " 499 "	12	3,305	11,788,445	271,547	22,836,383	46,350,313
500 " 999 "	11	8,503	30,977,988	891,929	76,273,155	138,157,039
1,000 " 1,499 "	1					
Head Offices ¹	—	719	4,460,928	—	—	—
Totals	7,333	58,586	152,556,819	8,672,598	338,870,204	644,482,990

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1955 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	to.	\$	\$	\$	\$
7. Primary iron and steel:						
5 to 14 employees	2	232	985,343	145,987	685,162	2,407,820
15 " 49 " "	9					
50 " 99 " "	10					
100 " 199 " "	15					
200 " 499 " "	4					
500 " 999 " "	3	25,725	109,693,381	26,322,179	173,999,516	430,330,861
1,000 " 1,499 " "	2					
1,500 and over	5					
Head Offices ¹	—	16	98,749	—	—	—
Totals	50	32,507	136,879,403	31,182,580	212,288,266	526,318,453
8. Butter and cheese:						
Under 5 employees	794	2,035	3,321,150	921,901	62,722,082	69,764,372
5 to 14 employees	393	3,032	6,733,181	1,645,345	79,090,654	94,414,567
15 " 49 " "	165	4,330	11,176,619	2,270,821	71,460,969	95,687,033
50 " 99 " "	33	2,353	6,634,083	782,799	21,899,255	35,837,875
100 " 199 " "	21	2,863	8,671,747	957,692	30,717,179	46,683,507
200 " 499 " "	14	4,081	14,005,296	1,189,502	36,919,026	61,479,206
500 " 999 " "	3	1,750	6,078,460	450,329	13,116,877	23,225,740
Totals	1,423	20,444	56,670,536	8,218,389	315,926,042	427,092,300
9. Aircraft and parts:						
Under 5 employees	2	134	507,960	20,019	328,927	1,195,326
5 to 14 employees	13					
15 " 49 " "	12					
50 " 99 " "	6					
100 " 199 " "	4					
200 " 499 " "	4	1,377	5,243,564	162,743	7,938,509	16,719,162
500 " 999 " "	4					
1,000 " 1,499 " "	3					
1,500 and over	4	3,484	12,252,566	480,825	8,981,300	27,272,919
Head Offices ¹	—	23,878	97,385,959	3,606,996	114,012,321	280,767,978
Totals	52	33,036	130,269,009	4,683,562	140,831,164	354,314,837
10. Miscellaneous electrical apparatus and supplies:						
Under 5 employees	27	61	129,244	6,419	242,493	478,730
5 to 14 employees	27	253	767,622	27,971	2,001,398	3,550,044
15 " 49 " "	49	1,462	4,342,372	210,052	14,491,483	24,087,018
50 " 99 " "	16	1,054	2,968,406	158,993	5,931,698	11,872,517
100 " 199 " "	14	1,837	5,896,257	194,383	11,663,250	24,054,754
200 " 499 " "	16	5,484	17,835,523	845,897	45,637,827	88,203,432
500 " 999 " "	5	3,158	10,700,880	420,081	19,974,261	40,209,565
1,500 and over	3	9,761	38,581,939	843,147	58,740,748	132,605,084
Head Offices ¹	—	222	904,914	—	—	—
Totals	157	23,292	82,125,157	2,706,943	158,683,158	325,061,144
11. Rubber goods, including footwear:						
Under 5 employees	11	27	50,097	6,642	44,676	122,711
5 to 14 employees	14	110	301,494	19,298	468,502	985,102
15 " 49 " "	18	506	1,439,227	116,968	4,627,695	8,353,803
50 " 99 " "	6	383	1,029,782	105,368	1,843,449	4,374,057
100 " 199 " "	8	953	2,681,352	186,244	3,909,924	9,208,683
200 " 499 " "	10	3,238	10,277,519	707,584	18,289,993	41,961,437
500 " 999 " "	7	4,620	14,587,167	595,059	16,034,251	42,314,781
1,000 " 1,499 " "	6	12,014	43,167,661	2,435,948	91,856,280	215,091,805
1,500 and over	2					
Head Offices ¹	—	62	240,665	—	—	—
Totals	82	21,913	73,774,964	4,173,111	137,074,770	322,412,379
12. Miscellaneous food preparations:						
Under 5 employees	88	205	417,124	44,440	2,401,668	3,579,642
5 to 14 employees	93	825	2,046,174	218,091	14,906,054	20,473,973
15 " 49 " "	70	2,010	5,401,062	482,023	39,139,982	54,307,526
50 " 99 " "	34	2,505	7,333,524	1,292,820	57,252,867	86,356,988
100 " 199 " "	15	2,068	5,805,571	299,537	55,389,231	73,408,845
200 " 499 " "	3	1,436	4,987,649	925,466	39,931,008	65,624,207
500 " 999 " "	1					
Head Offices ¹	—	377	1,870,627	—	—	—
Totals	304	9,426	27,861,731	3,262,377	209,020,810	303,751,181

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1955 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
13. Bread and other bakery products:						
Under 5 employees	1,416	3,544	5,851,253	1,130,986	11,588,227	22,881,546
5 to 14 employees	858	6,619	13,260,715	1,720,809	21,345,164	43,339,373
15 " 49 "	223	5,731	13,759,010	1,685,831	22,028,366	46,601,025
50 " 99 "	62	4,282	11,335,475	1,261,655	18,645,485	40,829,617
100 " 199 "	33	4,474	13,268,505	1,275,874	19,727,335	45,425,918
200 " 499 "	21	6,612	19,884,476	1,815,866	26,646,557	59,584,397
500 " 999 "	5	3,154	9,900,570	765,858	13,318,116	30,357,418
Totals	2,618	34,416	87,760,004	9,656,879	133,299,250	289,019,294
14. Motor vehicle parts:						
Under 5 employees	41	110	255,815	16,663	311,742	868,024
5 to 14 employees	41	382	1,037,713	63,468	1,934,241	3,960,971
15 " 49 "	51	1,383	4,645,557	222,051	7,377,203	15,137,868
50 " 99 "	16	1,118	3,383,026	127,129	6,849,384	13,648,915
100 " 199 "	18	2,470	8,409,489	430,474	20,147,752	36,493,254
200 " 499 "	13	4,220	15,844,467	693,929	31,983,336	64,288,407
500 " 999 "	4	2,785	11,257,770	499,351	35,273,219	52,661,817
1,000 " 1,499 "	3	7,446	29,320,948	1,938,653	45,127,280	98,011,356
1,500 and over	1					
Head Offices ¹	—	82	426,454	—	—	—
Totals	188	19,996	74,581,239	3,981,718	149,004,157	285,070,612
15. Printing and publishing:						
Under 5 employees	296	730	1,542,316	113,871	698,371	3,263,089
5 to 14 employees	273	2,240	5,816,914	236,896	2,148,180	11,294,845
15 " 49 "	114	2,867	8,114,643	250,242	3,417,966	16,685,327
50 " 99 "	47	3,537	11,297,066	310,858	5,002,245	26,675,855
100 " 199 "	27	3,431	11,551,078	291,388	6,124,823	27,797,244
200 " 499 "	21	6,506	23,396,191	438,364	17,765,085	65,623,832
500 " 999 "	7	4,904	19,919,878	283,431	17,025,203	55,637,525
1,000 " 1,499 "	3	5,594	26,034,272	463,805	22,838,160	68,181,778
1,500 and over	1					
Head Offices ¹	—	46	171,728	—	—	—
Totals	789	29,855	107,844,086	2,388,855	75,020,033	275,159,495
16. Telecommunication equipment:						
Under 5 employees	19	45	89,648	1,991	360,969	493,426
5 to 14 employees	27	241	682,148	23,554	1,136,938	2,217,390
15 " 49 "	31	898	2,262,182	50,761	3,752,270	7,460,739
50 " 99 "	15	1,192	3,219,636	71,233	7,309,570	13,003,387
100 " 199 "	10	1,390	4,288,741	73,999	8,243,662	16,659,681
200 " 499 "	12	3,597	10,311,356	239,297	32,929,544	48,716,845
500 " 999 "	7	4,463	14,634,714	204,561	53,941,980	89,967,715
1,000 " 1,499 "	3	7,119	25,842,779	462,092	48,044,632	84,901,096
1,500 and over	2					
Head Offices ¹	—	91	410,086	—	—	—
Totals	126	19,036	61,741,290	1,127,488	155,719,565	263,420,279
17. Furniture:						
Under 5 employees	986	1,997	4,019,842	274,809	4,993,558	11,219,635
5 to 14 employees	402	3,224	7,862,742	406,631	11,483,884	23,385,008
15 " 49 "	278	7,525	20,176,792	770,671	34,613,580	67,746,936
50 " 99 "	89	6,100	17,128,022	608,928	26,970,873	54,668,341
100 " 199 "	52	6,847	19,892,154	626,616	29,290,163	60,850,194
200 " 499 "	13	4,930	15,162,834	381,179	18,048,566	43,680,987
500 " 999 "	2					
Totals	1,822	30,623	84,242,386	3,068,834	125,400,624	261,551,101
18. Sheet metal products:						
Under 5 employees	68	188	487,844	35,463	1,248,372	2,262,878
5 to 14 employees	92	797	2,115,734	109,965	3,982,998	8,017,918
15 " 49 "	132	3,528	11,191,588	520,213	22,520,730	44,855,513
50 " 99 "	27	2,006	6,414,688	286,436	14,214,792	27,270,981
100 " 199 "	19	2,728	8,972,631	408,161	14,633,666	32,528,430
200 " 499 "	16	4,878	18,799,945	666,874	51,941,301	88,342,848
500 " 999 "	7	4,955	18,680,387	532,317	29,669,435	56,888,912
Totals	361	19,080	66,662,817	2,559,431	138,211,294	260,167,480

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1955 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
19. Machinery, industrial:						
Under 5 employees	54	133	370,830	34,113	692,333	1,430,983
5 to 14 employees	80	724	2,386,877	120,464	3,199,793	7,678,103
15 " 49 "	81	2,218	7,616,333	304,675	8,681,903	21,039,474
50 " 99 "	48	3,520	12,528,311	395,816	20,525,853	42,442,176
100 " 199 "	23	3,733	13,454,326	380,617	17,320,549	38,084,319
200 " 499 "	22	6,382	23,766,952	767,943	21,712,001	63,514,974
500 " 999 "	7	6,783	24,903,956	890,284	30,533,465	78,754,349
1,500 and over	1					
Head Offices ¹	—	345	1,502,320	—	—	—
Totals	321	23,838	86,529,705	2,893,912	102,665,897	232,944,378
20. Clothing, men's factory:						
Under 5 employees	99	248	631,390	18,963	4,789,369	6,772,423
5 to 14 employees	120	1,061	2,518,522	57,524	12,994,424	19,734,275
15 " 49 "	196	5,535	11,893,159	204,779	25,840,883	46,039,312
50 " 99 "	82	5,759	11,176,040	220,147	25,260,349	43,388,534
100 " 199 "	42	5,976	12,916,528	143,882	23,555,535	44,300,331
200 " 499 "	25	8,335	18,253,547	213,651	30,448,751	58,894,966
500 " 999 "	5					
1,000 " 1,499 "	1	4,315	10,367,652	95,499	14,968,355	31,312,474
Head Offices ¹	—	216	1,052,452	—	—	—
Totals	570	31,445	68,809,295	954,445	137,857,666	250,462,315
21. Railway rolling stock:						
Under 5 employees	2					
5 to 14 employees	3	237	772,067	110,051	2,349,393	3,524,485
15 " 49 "	2					
50 " 99 "	4	527	1,747,216	112,795	3,108,184	5,032,713
100 " 199 "	5	1,767	6,187,318	250,591	9,437,192	22,952,342
200 " 499 "	6	4,129	14,915,577	709,298	30,101,573	53,592,690
500 " 999 "	6	6,698	24,180,647	1,484,402	57,482,148	83,912,779
1,000 " 1,499 "	6					
1,500 and over	4	12,042	38,454,798	1,272,951	36,996,572	76,724,321
Totals	32	25,400	86,257,623	3,940,088	139,475,062	245,739,330
22. Sash, door and planing mills:						
Under 5 employees	1,008	1,960	3,380,000	306,806	4,824,196	10,138,914
5 to 14 employees	459	3,761	9,255,905	912,727	24,061,048	39,842,752
15 " 49 "	289	7,627	20,129,310	1,600,561	66,613,915	104,398,634
50 " 99 "	64	4,245	11,408,121	647,229	34,949,980	55,400,622
100 " 199 "	15					
200 " 499 "	2	2,524	7,469,566	294,771	17,915,086	28,500,882
Head Offices ¹	—	122	542,776	—	—	—
Totals	1,837	20,239	52,185,678	3,762,094	148,364,225	238,281,804
23. Fruit and vegetable preparations:						
Under 5 employees	99	222	306,096	42,034	1,103,925	1,853,407
5 to 14 employees	121	1,018	1,607,210	180,574	6,508,059	10,048,490
15 " 49 "	147	4,169	7,561,839	780,605	30,093,440	48,832,264
50 " 99 "	55	3,652	7,098,604	662,727	29,674,379	46,322,494
100 " 199 "	31	4,313	10,214,039	745,231	36,721,182	58,922,196
200 " 499 "	4					
500 " 999 "	2	3,475	11,054,257	708,302	39,857,560	68,096,475
1,000 " 1,499 "	2					
Head Offices ¹	—	302	1,097,531	—	—	—
Totals	459	17,151	33,939,576	3,119,473	143,958,345	234,075,326
24. Cotton yarn and cloth:						
Under 5 employees	1	38	83,219	6,109	168,110	290,371
5 to 14 employees	4					
15 " 49 "	7	213	499,788	32,669	2,246,574	3,001,428
50 " 99 "	3	191	468,284	32,708	1,791,826	2,583,973
100 " 199 "	10	1,360	3,532,032	305,738	8,606,261	14,358,348
200 " 499 "	12	3,875	9,973,277	753,668	25,986,670	44,678,189
500 " 999 "	4	2,678	7,323,977	627,046	21,281,583	30,811,286
1,000 " 1,499 "	7					
1,500 and over	2	12,340	30,795,602	2,325,828	89,480,405	133,960,446
Head Offices ¹	—	842	3,734,871	—	—	—
Totals	50	21,537	56,411,050	4,083,766	149,561,429	229,684,041

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1955 — Concluded

Industry by size group	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
25. Clothing, women's factory:						
Under 5 employees	71	177	410,356	16,996	1,800,438	2,849,842
5 to 14 employees	176	1,634	3,659,164	69,491	7,668,413	13,936,882
15 " 49 "	332	9,538	22,287,768	279,830	42,427,214	80,880,217
50 " 99 "	122	8,391	19,535,779	197,159	37,591,842	69,846,662
100 " 199 "	43	5,671	12,350,073	124,651	26,781,274	47,980,550
200 " 499 "	6	1,498	3,151,996	23,048	5,588,996	10,852,925
Head Offices ¹	—	16	60,244	—	—	—
Totals	750	26,923	61,435,380	711,175	121,838,177	226,347,078

1. Under this heading are included only those head offices that are not located at the plant.

Subsection 7. Fuel and Power Consumption

Cost of Fuel and Electricity.— Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 55. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed, as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of purchased fuel consumed increased 395 p.c. from 1939 to 1955. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. The cost of electricity purchased, on the other hand, has increased during the same period by 246 p.c. The groups of industries in which fuel was most extensively used in 1955 were: paper products, non-ferrous metals products, iron and steel products, foods and beverages, non-metallic mineral products, products of petroleum and coal, and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1955, 61.8 p.c. was for fuel and 38.2 p.c. for electricity. Percentage wise, New Brunswick with 77.0 p.c. of the Provincial total was the largest user of fuel, while Quebec with 51.5 p.c. was the smallest. Provinces lacking in water power resources naturally have to rely on fuel for power, and for this reason the percentage that fuel is to the total is much higher than in Provinces such as Quebec where there is an abundant supply of water for power purposes. In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Power Consumption.— Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in cost and values in the same manner as capital investments, values of products,

etc. Of course, power equipment installed is not a measure of the actual utilization of power for there is generally an excess over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant. In times of depression this margin increases. During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked.

Of the total increase in power equipment employed in manufacturing industries between 1939 and 1953, 75 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines—which include all gasoline engines, gas engines (natural, coal, and producer gas), and compression-ignition engines—also has increased rapidly during the period covered. During the period 1939-1953 there was an increase of 31 p.c. in the capacity of hydraulic turbines and water wheels, 56 p.c. in the capacity of steam engines and steam turbines, 115 p.c. in the capacity of electric motors, while internal combustion engines increased more than fivefold. The collection of statistics on power equipment was discontinued in 1949, but was collected again for 1953.

Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 44.8 billion K.W.H. in 1955, an increase of 131 p.c. as compared with 1939. Of the total consumed, Quebec used 52.7 p.c., Ontario 26.8 p.c., British Columbia 11.5 p.c., New Brunswick 2.0 p.c., Newfoundland 1.9 p.c., and Manitoba 1.8 p.c.

The non-ferrous metal products group with 34.0 p.c. of the total was the largest user of electric power in 1955. Prior to this, the paper products group held the premier position in this respect. Although non-ferrous metal products had a small edge on the consumption of electric power, the paper products group still is the largest user of purchased fuel and electricity. The paper products group was the second largest user of power in 1955 with 33.9 p.c. of the total, followed by chemicals and allied products with 9.5 p.c., iron and steel products 6.3 p.c., non-metallic mineral products 4.2 p.c. and foods and beverages 2.7 p.c.

Table 55 gives details of purchased fuel and electricity as well as power consumption by industrial groups and provinces. Table 56 gives details of power equipment and Tables 57 and 58 give details of fuel consumption for selected years from 1826 to 1953.

TABLE 55. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939-54 with Details by Provinces and Industrial Groups, 1955

Note: Includes fuel and electricity used in smelters for metallurgical purposes

Year, Province or Group	Value of purchased fuel	Value of purchased electricity	Total	Consumption of electric power		
				Purchased	Generated for own use	Total
	\$	\$	\$	1000 K.W.H.		
1939	57,063,131	50,509,121	107,572,252	17,072,764	2,357,669	19,430,433
1940	78,550,913	58,429,262	136,980,175	17,954,995	2,640,918	20,595,913
1941	102,886,816	71,754,501	174,641,317	20,289,238	2,840,841	23,130,079
1942	121,512,643	85,205,846	206,718,489	23,650,840	3,345,443	26,996,283
1943	134,004,345	91,950,030	225,954,375	26,399,730	3,211,610	29,611,340
1944	137,883,770	87,699,383	225,583,153	25,777,238	2,752,124	28,529,362
1945	128,334,255	83,999,865	212,384,120	23,986,993	2,362,260	26,349,253
1946	127,179,620	83,273,105	210,452,725	25,250,876	2,714,261	27,965,137
1947	163,813,503	90,876,176	254,689,679	26,728,239	3,467,535	30,195,774
1948	209,063,839	94,475,355	303,539,194	24,907,413	4,590,676	29,498,089
1949	208,776,571	97,019,231	305,795,802	25,067,855	5,898,390	30,966,245
1950	229,993,079	106,940,541	336,933,620	27,482,129	6,266,050	33,748,179
1951	252,573,952	124,140,044	376,713,996	31,243,249	6,369,094	37,612,343
1952	257,443,536	135,537,806	392,981,342	32,418,626	6,450,729	38,869,355
1953	259,212,493	152,576,328	411,788,821	34,226,135	6,901,443	41,127,578
1954	265,242,462	159,189,746	424,432,228	36,362,316 ¹	6,072,634 ¹	42,434,950
Provinces, 1955						
Newfoundland	3,667,832	1,778,370	5,446,202	355,965	495,572	851,537
Prince Edward Island	249,363	133,795	383,158	4,980	—	4,980
Nova Scotia	7,889,888	2,771,808	10,661,696	333,863	163,484	497,347
New Brunswick	9,588,417	2,869,779	12,458,196	460,225	419,185	879,410
Quebec	82,079,424	77,376,776	159,456,200	22,721,310	897,945	23,619,255
Ontario	135,770,253	67,159,760	202,930,013	10,083,723	1,907,138	11,990,861
Manitoba	7,397,016	4,042,943	11,439,959	782,286	8,225	790,511
Saskatchewan	5,432,606	2,348,751	7,781,357	435,230	37,763	472,993
Alberta	8,280,921	4,215,321	12,496,242	475,897	66,556	542,453
British Columbia ¹	22,304,893	12,250,372	34,555,265	3,158,051	2,004,765	5,162,816
Yukon and Northwest Territories	167,403	13,779	181,182	480	930	1,410
Canada	282,828,016	174,961,454	457,789,470	38,812,010¹	6,001,563¹	44,813,573
Industrial Groups, 1955						
Foods and beverages	39,706,766	13,772,051	53,478,817	1,159,359	67,369	1,226,728
Tobacco and tobacco products	455,593	275,604	731,197	22,963	—	22,963
Rubber products	1,921,670	2,251,441	4,173,111	283,203	9,285	292,488
Leather products	1,257,934	858,442	2,116,376	53,086	150	53,236
Textiles	8,157,015	5,660,166	13,817,181	587,389	103,736	691,125
Knitting mills	1,227,713	644,160	1,871,873	40,719	2,877	43,596
Clothing	1,435,588	1,565,780	3,001,368	63,644	—	63,644
Wood products	11,135,930	7,782,414	18,918,344	500,491	158,433	658,924
Paper products	55,003,497	39,771,786	94,775,283	11,259,476	3,933,276	15,192,752
Printing publishing and allied industries	2,480,101	2,516,518	4,996,619	150,649	—	150,649
Iron and steel products	34,581,007	20,162,763	54,743,770	2,753,698	210,664	2,969,362
Transportation equipment	11,727,639	7,348,637	19,076,276	691,489	86,989	778,478
Non-ferrous metal products	27,217,693	35,181,996	62,399,689	14,107,803	1,131,873	15,239,676
Electrical apparatus and supplies	3,828,714	4,047,511	7,876,225	450,116	13,816	463,932
Non-metallic mineral products	29,277,476	10,792,242	40,069,718	1,871,257	22,991	1,894,248
Products of petroleum and coal	34,144,966	4,847,307	38,992,273	689,371	1,411	690,782
Chemicals and allied products	17,354,341	15,731,229	33,085,570	3,988,797	258,693	4,247,490
Miscellaneous industries	1,914,373	1,751,407	3,665,780	133,500	—	133,500

1. In 1954 and 1955 electricity previously reported as "Generated for own use" in the Fertilizer Industry in British Columbia, has been treated as "Electricity purchased". —Of the total "Generated for own use", approximately 1,800,000 M.h.p. were generated by thermal plant and 4,200,000 M.h.p. by hydro-electric plant.

TABLE 56. Power Equipment Installed in the Manufacturing Industries of Canada, 1926-48, with Details by Provinces and Industrial Groups, 1953

Year and province or group	Steam engines and turbines	Internal combustion engines	Hydraulic turbines and water wheels	Total	Electric motors operated by purchased power	Total power equipment	Electric motors operated by power generated by establishments reporting	Total electric motors
h. p.								
Totals, 1926	698,343	56,068	603,618	1,358,029	1,764,348	3,122,377	391,708	2,156,056
1929	762,697	60,841	645,270	1,468,808	2,386,840	3,855,648	495,921	2,882,761
1933	738,297	76,583	657,683	1,472,563	2,662,445	4,135,008	497,392	3,159,837
1937	834,703	98,233	649,557	1,582,493	3,129,790	4,712,283	602,955	3,732,745
1939	827,801	121,997	731,390	1,681,188	3,364,099	5,045,287	694,450	4,058,549
1944	1,013,615	288,312	729,216	2,031,143	4,437,296	6,468,439	779,717	5,217,013
1946	1,032,639	368,458	732,859	2,133,956	4,649,993	6,783,949	820,371	5,470,364
1948	1,076,411	544,888	1,150,308	2,771,607	5,387,807	8,159,414	931,312	6,319,119
Province, 1953								
Newfoundland	16,015	14,468	235,935	266,418	15,557	281,975	225,504	241,061
Prince Edward Island	651	3,323	632	4,606	3,034	7,640	—	3,034
Nova Scotia	58,880	38,590	13,100	110,570	144,638	255,208	82,711	227,349
New Brunswick	96,125	26,070	14,030	136,225	186,253	322,478	88,556	274,809
Quebec	233,411	111,508	253,880	598,799	2,887,658	3,486,457	173,419	3,061,077
Ontario	554,856	168,009	316,958	1,039,823	3,108,826	4,148,649	423,112	3,531,938
Manitoba	10,675	14,907	28	25,610	207,057	232,667	6,219	213,276
Saskatchewan	17,168	30,355	—	47,523	65,845	113,368	1,997	67,842
Alberta	67,015	94,608	—	161,623	176,037	337,660	23,620	199,657
British Columbia	236,959	238,120	127,065	602,144	606,857	1,209,001	278,403	885,260
Yukon and Northwest Territories	—	2,354	—	2,354	246	2,600	—	246
Totals, 1953	1,291,755 ¹	742,312	961,628	2,995,695	7,402,008	10,397,703	1,303,541	8,705,549
Industrial group, 1953								
Foods and beverages	76,515	53,946	22,074	152,535	623,869	776,404	50,343	674,212
Tobacco and tobacco products	466	375	—	841	10,345	11,186	—	10,345
Rubber products	6,038	182	1,500	7,720	134,452	142,172	270	134,722
Leather products	1,770	193	150	2,113	41,667	43,780	370	42,037
Textiles (except clothing)	29,814	7,099	16,311	53,224	311,147	364,371	16,932	328,079
Knitting mills	2,936	462	1,790	5,188	60,587	65,775	204	60,791
Clothing, (textile and fur)	643	235	—	878	25,693	26,571	—	25,693
Wood products	257,627	522,452	31,836	811,915	441,268	1,253,183	94,301	535,569
Paper products	361,680	7,412	872,557	1,241,649	2,331,436	3,573,085	926,613	3,258,049
Printing, publishing and allied industries	619	1,043	—	1,662	78,320	79,982	—	78,320
Iron and steel products	178,364	47,651	263	226,278	1,049,778	1,276,056	72,149	1,121,927
Transportation equipment	124,320	10,461	127	134,908	460,305	595,213	55,633	515,938
Non-ferrous metal products	20,570	358	—	20,928	670,914	691,842	6,195	677,109
Electrical apparatus and supplies	8,372	6,646	3,975	18,993	240,343	259,336	—	240,343
Non-metallic mineral products	12,003	46,333	716	59,052	287,661	346,713	5,789	293,450
Products of petroleum and coal	116,324	22,971	6	139,301	158,884	298,185	14,260	173,144
Chemicals and allied products	89,754	14,035	10,323	114,112	417,095	531,207	59,082	476,177
Miscellaneous industries	3,940	458	—	4,398	58,244	62,642	1,400	59,644

1. Includes "steam engines" 365,992 h.p. and "steam turbines" 925,763 h.p.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1948 and by Province and Industrial Group, 1953

No.	Year, Province or Group	Coal						Coke	Gasoline
		Bituminous			Anthracite	Lignite			
		Canadian	Imported	Sub-bituminous					
		\$	\$	\$	\$	\$	\$	\$	
1	1926 ⁷	34,500,291		2	2,173,178	533,928	4,157,935	692,404	
2	1929 ⁷	15,832,290	21,754,377	2	1,844,736	707,058	2,332,823	430,258	
3	1933 ⁷	7,571,912	10,770,107	2	1,033,154	522,626	1,574,426	254,510	
4	1937 ⁴	15,648,467	16,255,262	2	1,253,376	759,600	5,169,524	799,060	
5	1939.....	15,744,444	13,386,496	2	1,151,278	740,593	4,870,875	1,208,131	
6	1944.....	19,785,479	55,667,410	2	2,231,277	1,522,417	7,909,168	7,278,337	
7	1946.....	17,633,047	48,211,575	425,020	1,812,744	1,442,277	6,884,833	8,425,418	
8	1948.....	28,160,528	73,315,170	440,737	2,274,727	1,598,940	9,575,838	13,442,363	
Provinces									
9	Newfoundland ⁵	30,609	8,900	—	18,610	6	2,383	217,397	
10	Prince Edward Island.....	63,452	6	—	3,970	—	3,009	55,732	
11	Nova Scotia.....	2,405,727	6	—	21,105	—	114,936	717,053	
12	New Brunswick.....	6,294,754	8,912	—	17,205	—	28,469	560,647	
13	Quebec.....	16,556,360	13,913,475	18,383	1,210,156	1,087	2,430,104	5,664,514	
14	Ontario.....	2,175,786	54,548,590	176,730	1,286,028	1,174,901	6,404,947	10,363,556	
15	Manitoba.....	818,037	38,714	60,724	42,991	930,722	303,829	881,303	
16	Saskatchewan.....	1,523,379	6	133,730	10,012	129,206	743	417,469	
17	Alberta.....	146,985	6	158,490	496	5,095	200,134	1,085,336	
18	British Columbia.....	4,487,496	4,024	67,073	18,933	6	133,470	2,920,732	
19	Yukon and Northwest Territories.....	6	—	6	—	—	—	8,886	
20	Totals—1953 ⁵	34,503,085	68,523,203	615,660	2,629,506	2,241,781	9,622,024	22,892,625	
Industrial Groups									
21	Foods and Beverages.....	3,290,662	6,717,346	276,298	596,112	567,766	614,167	10,578,411	
22	Tobacco and tobacco products.....	71,957	168,348	—	2,273	—	6	38,953	
23	Rubber products.....	74,711	1,517,817	—	13,126	—	—	47,494	
24	Leather products.....	93,287	707,792	2,179	40,802	10,624	1,203	65,218	
25	Textiles.....	1,289,847	4,045,024	9,784	117,296	7,812	49,444	189,855	
26	Knitting mills.....	131,048	591,854	6	55,357	—	3,310	14,811	
27	Clothing.....	84,772	152,597	4,373	35,062	6	4,451	155,366	
28	Wood products.....	333,461	502,891	42,430	71,148	35,341	45,030	4,191,266	
29	Paper products.....	14,360,237	20,674,603	25,533	219,554	1,233,035	6	695,030	
30	Printing publishing and allied industries.....	143,713	165,101	15,322	78,900	15,385	34,199	608,162	
31	Iron and steel products.....	2,073,660	3,059,812	41,238	477,336	18,652	574,692	1,650,835	
32	Transportation equipment.....	1,209,987	3,691,786	38,971	34,943	159,117	45,737	1,280,168	
33	Non-ferrous metal products.....	5,473,656	7,013,489	3,911	518,818	—	4,187,111	360,700	
34	Electrical apparatus and supplies.....	50,626	921,551	100,051	20,805	4,501	71,035	251,651	
35	Non-metallic mineral products.....	4,767,750	9,107,760	44,664	103,810	165,439	836,112	1,673,833	
36	Products of petroleum and coal.....	63,923	67,831	2,718	37,496	6	3,119,473	218,982	
37	Chemicals and allied products.....	890,633	9,019,385	4,871	143,000	20,953	31,393	517,732	
38	Miscellaneous industries.....	99,155	398,218	2,961	63,668	2,712	4,250	354,158	

1. Exclusive of the Butter and Cheese industry in the province of Quebec.

2. Not collected.

3. Includes manufactured and natural.

4. Electricity purchased for metallurgical purposes in the non-ferrous Metal Smelting and Refining is included for the first time.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1948 and by Province and Industrial Group, 1953

Kerosene	Fuel oil	Wood	Gas			Other fuel	Total cost of fuel	Electricity		No.
			Liquified petroleum	Other manufactured	Natural			Purchased ¹	Generated for sale ¹	
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
2	7,102,676	2,533,424	—	4,182,186 ³		804,478	56,680,500	26,235,597	2	1
51,743	7,874,831	2,604,803	—	5,218,678	905,039	809,305	60,365,941	37,775,877	904,791	2
39,870	4,566,630	1,635,716	—	4,097,925	729,385	727,081	33,523,342	33,092,334	36,393	3
52,438	8,580,369	1,636,098	—	6,148,643	1,256,276	2,015,923	59,575,036	50,032,810	288,842	4
59,635	8,560,418	1,562,119	—	6,506,782	1,385,110	1,887,250	57,063,131	50,509,121	405,690	5
216,651	21,822,975	2,340,460	—	13,779,303	3,110,803	2,219,490	137,883,770	87,699,383	1,219,086	6
213,947	23,872,464	2,189,271	—	12,086,381	1,881,984	2,100,659	127,179,620	83,273,105	1,589,447	7
635,233	50,987,211	1,991,384	—	20,507,352	2,080,617	4,053,739	209,063,839	94,475,355	887,402	8
5,235	3,010,358	3,700	757	268	—	66,752	3,365,144	402,741	578,345	9
8,304	89,547	9,544	6	—	—	1,913	235,595	120,816	—	10
12,457	3,123,339	17,633	10,701	2,461,083	6	40,520	8,924,710	2,626,854	129,615	11
27,517	1,444,299	121,415	31,193	845	3,804	18,322	8,557,382	2,777,981	224,404	12
279,135	26,177,860	574,398	386,297	5,245,156	6,189	953,420	73,416,534	72,347,718	199,313	13
651,980	30,106,445	404,106	1,079,461	15,794,554	1,809,133	2,278,592	128,254,809	57,989,157	1,156,749	14
4,822	2,444,306	53,217	5,588	453,314	8,151	32,959	6,078,677	3,593,228	6	15
6,973	1,243,687	15,846	12,477	937,027	45,703	23,331	4,499,849	1,867,963	—	16
10,979	572,066	7,733	25,377	1,538,193	2,771,469	25,787	6,548,320	3,384,917	2,494	17
68,122	8,720,825	156,860	33,240	1,194,789	17,690	1,365,099	19,188,948	7,452,773	188,813	18
6	102,078	3,654	520	16,850	9,495	—	142,525	12,180	6,271	19
1,075,536	77,034,810	1,368,106	1,585,671	27,642,079	4,671,710	4,806,695	259,212,493	152,576,328	2,486,054	20
189,749	9,543,593	499,610	470,892	1,421,186	851,250	752,828	36,369,870	12,378,184	7,823	21
6	98,336	6	6	1,720	6	23,039	405,706	233,519	—	22
1,412	171,492	—	—	28,106	949	—	1,855,107	1,869,603	—	23
1,309	229,421	10,236	4,108	10,509	997	45,390	1,223,075	833,666	—	24
35,444	1,710,961	7,800	6,849	23,055	13,824	305,943	7,812,938	5,321,459	100,390	25
6	366,618	6	2,216	6,424	5,168	30,676	1,208,002	615,743	3,036	26
7,890	339,240	6,662	2,250	73,366	8,651	54,946	929,932	1,461,460	—	27
66,548	2,601,633	189,197	14,158	20,612	89,573	139,590	8,342,878	6,558,952	134,413	28
217,946	10,675,135	125,092	20,907	62,609	22,615	1,117,086	49,449,594	34,067,301	1,704,286	29
12,659	619,081	29,084	16,270	188,420	44,675	7,917	1,978,888	2,187,472	—	30
69,375	15,554,102	47,963	76,557	7,967,415	787,151	282,828	32,681,616	18,772,675	—	31
304,605	3,041,994	17,894	410,001	258,707	484,405	122,878	11,101,193	6,677,704	—	32
74,563	7,463,882	18,439	171,282	376,777	141,390	36,383	25,840,401	31,862,007	10,139	33
3,114	1,352,015	6	94,761	494,616	20,404	104,978	3,490,134	3,466,610	—	34
54,657	7,044,494	379,374	190,443	355,522	1,019,255	195,869	25,938,982	9,035,509	194	35
2,003	12,702,760	6	57,391	14,109,212	805,437	1,155,055	32,342,588	2,883,158	115,029	36
33,078	3,130,855	22,470	37,257	2,134,197	346,654	429,466	16,761,944	12,778,994	410,744	37
1,110	389,198	13,484	10,178	109,626	29,104	1,823	1,479,645	1,572,312	—	38

5. Newfoundland included.

6. Included in the total.

7. For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable with current data.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1948 and by Province and Industrial Group, 1953

No.	Year, Province or Group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		Short ton						Imp. gal.
1	1926 ⁸	5,776,719		2	283,678	146,098	475,232	2,386,916
2	1929 ⁸	2,816,122	3,943,007	2	255,700	164,544	380,432	1,717,560
3	1933 ⁸	1,499,715	2,026,083	2	145,017	158,437	288,811	1,079,807
4	1937 ⁵	2,907,671	2,828,519	2	173,993	265,440	657,994	3,665,243
5	1939	2,893,613	2,262,378	2	167,465	238,698	596,077	5,306,656
6	1944	2,538,345	7,336,983	2	228,795	421,351	803,179	24,114,057
7	1946	2,208,110	5,794,992	70,450	179,139	394,689	691,152	27,537,378
8	1948	2,869,674	7,468,497	65,449	194,211	378,904	768,240	39,861,137
Provinces, 1953								
9	Newfoundland ⁶	1,457	572	—	565	7	75	529,226
10	Prince Edward Island.....	4,308	7	—	213	—	130	148,603
11	Nova Scotia	268,434	7	—	1,150	—	17,291	1,926,200
12	New Brunswick.....	577,273	428	—	788	—	1,414	1,474,182
13	Quebec	1,424,335	1,205,995	1,284	96,122	61	164,851	14,861,510
14	Ontario.....	180,893	5,601,856	14,730	92,024	215,188	415,436	30,230,092
15	Manitoba.....	93,158	2,799	5,566	2,520	229,618	26,178	2,405,040
16	Saskatchewan	118,325	7	19,173	953	21,088	42	1,119,749
17	Alberta	36,085	7	30,665	24	993	33,789	3,402,578
18	British Columbia.....	475,749	196	5,934	902	7	14,690	8,389,649
19	Yukon and Northwest Territories	7	—	7	—	—	—	34,865
20	Totals — 1953 ⁶	3,180,027	6,811,887	77,382	195,261	466,994	673,896	64,521,694
Industrial groups								
21	Foods and beverages	328,633	950,092	35,453	38,562	99,522	55,365	29,040,213
22	Tobacco and tobacco products	5,928	15,685	—	138	—	7	96,474
23	Rubber products.....	6,108	143,495	—	1,019	—	—	143,526
24	Leather products	6,970	61,730	137	2,530	1,854	314	162,180
25	Textile products (except clothing).....	114,254	352,936	1,052	8,280	1,127	4,587	478,106
26	Knitting mills.....	11,468	49,777	7	4,445	—	231	34,712
27	Clothing	6,300	12,372	324	2,066	7	244	396,228
28	Wood products	25,592	41,927	5,018	4,141	5,818	2,588	11,581,709
29	Paper products	1,302,466	1,908,175	2,766	18,993	228,818	7	1,858,802
30	Printing publishing and allied industries.....	11,206	12,421	1,353	4,488	1,360	2,166	1,657,829
31	Iron and steel products.....	214,330	274,336	3,039	35,374	2,391	53,279	4,604,247
32	Transportation equipment.....	116,587	361,247	12,496	1,852	88,457	2,198	4,171,307
33	Non-ferrous metal products	472,856	620,878	293	44,835	—	205,178	1,072,292
34	Electrical apparatus and supplies	4,054	84,074	9,349	1,638	685	2,676	684,202
35	Non-metallic mineral products.....	462,858	834,131	5,119	6,750	33,328	44,391	5,075,057
36	Products of petroleum and coal.....	7,527	6,413	215	4,011	7	298,862	1,055,996
37	Chemicals and allied products	75,613	1,048,011	549	12,083	3,426	1,579	1,481,180
38	Miscellaneous industries	7,277	34,187	200	4,056	172	220	927,634

1. Exclusive of the Butter and Cheese industry in the province of Quebec.

2. Not collected.

3. Includes manufactured and natural.

4. Value only, available.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1948 and by Province and Industrial Group, 1953

Kerosene	Fuel oil	Wood	Gas			Electricity			No.
			Liquified petroleum	Other manu- factured	Natural	Purchased ¹	Generated for own use ¹	Generated for sale ¹	
Imp. gal.	Imp. gal.	Cords	Imp. gal.	M. cu. ft.	M. cu. ft.	K.W.H.	K.W.H.	K.W.H.	
2	110,378,654	722,098	—	40,588,854 ³	—	4	2	2	1
227,469	150,910,662	655,975	—	41,828,619	4,558,391	4	1,150,974,484	53,593,323	2
239,141	115,926,083	549,712	—	23,119,514	3,118,402	9,771,514,859	1,241,399,928	2,108,460	3
334,125	167,824,977	504,261	—	59,952,258	5,802,210	17,092,769,974	2,328,675,496	48,534,697	4
437,201	195,134,885	475,320	—	71,881,777	6,112,911	17,072,764,222	2,357,668,720	76,571,743	5
1,309,144	349,495,395	408,227	—	118,057,302	12,598,361	25,777,238,678	2,752,124,500	127,214,139	6
1,244,716	376,006,524	348,440	—	95,490,776	8,744,901	25,250,876,449	2,714,261,524	166,073,767	7
3,752,703	482,218,705	309,127	—	146,548,124	9,962,480	24,907,413,154	4,590,676,828	203,779,877	8
21,197	38,630,785	875	1,200	337	—	22,407,973	889,099,581	73,741,208	9
39,721	575,242	1,092	7	—	—	4,275,053	—	—	10
68,334	38,831,591	2,942	28,832	9,160,345	7	312,042,310	186,025,502	2,268,147	11
131,522	15,442,084	13,381	143,532	603	6,907	416,335,088	374,004,156	23,048,360	12
1,424,064	295,396,902	107,071	1,988,818	9,685,624	9,269	21,679,033,019	774,883,353	37,200,455	13
4,043,728	283,958,615	107,566	7,160,369	45,160,430	2,264,359	9,248,881,874	2,073,067,248	174,065,563	14
19,109	33,277,575	7,373	12,715	966,272	84,830	744,971,436	6,655,476	—	15
74,553	19,763,247	1,635	59,293	2,027,756	312,962	376,505,303	40,353,303	—	16
40,849	7,065,887	9,034	265,319	4,003,936	18,791,004	397,140,226	177,135,910	154,200	17
236,403	99,499,841	48,322	179,705	2,416,154	20,829	824,255,940	2,379,358,264	39,335,081	18
7	2,200,080	177	700	20,035	26,109	287,088	860,395	91,942	19
6,099,492	834,641,849	299,468	9,840,533	73,441,492	21,516,353	34,026,135,310	6,901,443,188	349,904,956	20
1,092,228	86,133,020	143,082	2,382,365	1,946,197	3,853,369	1,026,992,879	43,762,028	4	21
7	894,678	7	7	1,542	7	18,395,122	—	—	22
7,644	1,591,168	—	—	24,666	930	250,293,275	7,746,538	—	23
6,073	1,770,715	1,480	23,508	11,060	2,294	51,273,752	—	—	24
159,916	16,089,771	4,654	43,363	35,517	115,013	593,379,571	79,385,307	16,771,995	25
7	2,972,511	7	61,925	19,806	33,327	44,933,022	1,087,342	94,894	26
44,385	2,214,879	633	6,800	55,310	22,758	63,561,527	—	—	27
231,842	12,840,758	41,353	46,704	40,772	316,547	405,273,835	159,303,992	17,489,401	28
1,748,942	144,749,232	43,261	69,190	58,677	100,537	10,563,309,215	4,273,111,554	303,439,710	29
45,283	4,186,951	3,224	49,645	189,494	94,989	126,596,161	—	—	30
387,279	151,161,280	5,290	372,570	29,646,345	901,290	2,457,260,357	167,522,145	—	31
1,644,049	25,415,962	2,530	3,312,643	524,900	840,894	676,396,250	109,239,945	—	32
307,029	79,647,081	580	1,161,558	425,421	154,342	12,600,473,735	790,145,193	4,256,671	33
11,036	11,229,837	7	468,473	460,376	24,732	348,406,599	10,219,867	—	34
207,984	74,043,802	45,657	1,019,718	521,255	6,309,267	1,742,252,798	25,049,859	24,200	35
10,028	188,029,524	7	569,875	35,678,503	5,967,827	381,405,296	10,777,270	91,942	36
190,931	29,016,733	6,031	227,415	3,715,157	2,738,403	2,545,458,571	1,224,087,148	7,736,143	37
4,506	2,653,947	1,566	24,485	86,494	39,626	130,473,345	5,000	—	38

5. Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

6. Newfoundland included.

7. Included in total.

8. For 1926, 1929 and 1933, fuel and electricity used by Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals already published in order to make the series comparable with current data.

PART II. PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

SECTION 1. TYPE AND CONCENTRATION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of Canada is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1955 amounted to \$15,540,010,035 or 80 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coal-fields of Pennsylvania, the water power and other varied resources of the provinces, and their nearness to the

larger markets of Canada and the United States have all contributed to this progress.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of tobacco and tobacco products, textiles (except clothing), clothing (textile and fur), and paper products. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 43 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 24 and 21 p.c. of the total. In each of the other groups Ontario and Quebec lead by a wide margin.

TABLE 1 Summary Statistics of Manufactures of Each Province, Classified by Industrial Group, 1955

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada						
Foods and beverages	3,134	180,085	498,786,577	2,319,782,949	1,257,652,677	3,614,315,616
Tobacco and tobacco products	56	9,529	29,446,391	163,027,885	88,652,932	250,933,785
Rubber products	82	21,913	73,774,964	137,074,770	137,029,017	322,412,379
Leather products	646	30,575	68,970,276	103,961,619	107,215,340	218,043,090
Textiles	977	69,144	187,805,044	408,890,576	314,533,385	734,515,445
Knitting mills	296	21,658	47,208,208	75,705,514	77,465,979	155,186,763
Clothing	2,648	69,686	196,436,479	359,882,933	323,644,673	684,361,902
Wood products	11,804	133,673	354,439,897	723,815,493	631,857,981	1,375,343,554
Paper products	580	89,750	349,777,049	793,008,069	867,261,587	1,754,098,505
Printing, publishing and allied industries	4,494	69,602	234,579,358	199,161,743	415,668,242	619,823,786
Iron and steel products	2,895	181,700	667,657,079	1,005,246,993	1,199,245,953	2,242,717,918
Transportation equipment	594	131,789	490,434,996	1,117,768,836	809,748,007	1,950,410,035
Non-ferrous metal products	581	53,311	201,109,879	974,792,188	590,744,048	1,626,980,855
Electrical apparatus and supplies	468	76,244	264,031,474	477,655,753	469,918,651	962,615,012
Non-metallic mineral products	1,171	38,949	131,006,731	174,489,301	301,656,877	514,118,801
Products of petroleum and coal	106	17,486	72,436,559	704,384,995	417,349,989	1,160,324,499
Chemicals and allied products	1,126	51,856	185,267,943	480,104,190	528,928,509	1,044,079,000
Miscellaneous industries	1,524	31,511	89,239,630	114,448,353	164,876,649	283,147,866
Totals	38,182	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811
Newfoundland						
Foods and beverages	79	3,778	7,120,919	14,935,828	16,975,709	32,577,013
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	5	157	320,820	347,387	303,624	424,149
Textiles	5	92	225,664	362,942	214,630	691,620
Knitting mills	—	—	—	—	—	—
Clothing	3	144	229,470	228,421	291,931	520,551
Wood products	618	1,592	1,915,560	4,137,104	3,109,705	7,414,604
Paper products	2	3,380	15,223,920	26,099,089	32,667,953	62,615,842
Printing, publishing and allied industries	37	420	1,148,987	657,593	1,975,721	2,682,303
Iron and steel products	9	295	822,385	730,500	1,609,702	2,386,439
Transportation equipment	4	12	23,680	16,800	30,652	50,222
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	1	1	1	1	1	1
Non-metallic mineral products	13	340	1,180,549	1,398,780	2,536,342	4,333,494
Products of petroleum and coal	1	78	224,468	742,303	689,105	1,429,900
Chemicals and allied products	5	73	168,046	258,109	181,848	452,899
Miscellaneous industries	—	—	—	—	—	—
Totals	785	10,361	28,604,468	49,914,856	60,586,922	115,579,036
Prince Edward Island						
Foods and beverages	96	1,141	1,972,077	13,912,837	4,167,143	18,440,442
Tobacco and tobacco products	5	5	5	5	5	5
Rubber products	—	—	—	—	—	—
Leather products	5	5	5	5	5	5
Textiles	4	73	134,254	850,245	424,493	1,251,495
Knitting mills	—	—	—	—	—	—
Clothing	—	—	—	—	—	—
Wood products	81	272	322,300	670,534	520,842	1,224,353
Paper products	—	—	—	—	—	—
Printing, publishing and allied industries	10	158	352,535	154,702	585,867	755,802
Iron and steel products	3	24	62,848	64,071	73,108	138,600
Transportation equipment	5	5	5	5	5	5
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	4	17	31,720	22,440	50,447	78,345
Products of petroleum and coal	—	—	—	—	—	—
Chemicals and allied products	5	5	5	5	5	5
Miscellaneous industries	—	—	—	—	—	—
All other groups	6	84	198,351	1,128,206	609,760	1,739,794
Totals	204	1,769	3,074,085	16,803,035	6,431,660	23,628,831

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Group, 1955 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Nova Scotia						
Foods and beverages	396	8,350	16,214,923	59,672,469	34,108,760	96,590,160
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	4	115	194,218	245,185	283,038	533,096
Textiles	11	447	1,081,289	2,757,402	2,367,355	5,324,675
Knitting mills	5	752	1,403,401	3,147,421	2,147,858	5,537,785
Clothing	10	445	641,525	1,764,177	959,021	2,717,571
Wood products	779	4,758	7,461,182	21,280,823	14,102,614	36,018,778
Paper products	7	1,457	4,840,314	9,030,538	13,291,340	23,785,924
Printing, publishing and allied industries	136	1,307	3,547,130	2,403,747	6,683,315	9,211,577
Iron and steel products	53	6,121	20,649,001	29,186,877	28,144,278	65,038,123
Transportation equipment	59	4,683	14,311,177	14,979,681	18,644,372	34,233,709
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	1	1	1	1	1	1
Non-metallic mineral products	1	584	1,569,797	1,725,577	3,732,135	6,058,538
Products of petroleum and coal	29	—	—	—	—	—
Chemicals and allied products	16	284	808,994	3,104,615	2,392,379	5,529,221
Miscellaneous industries ²	19	915	3,832,972	25,895,907	12,789,958	40,550,533
Totals	1,524	30,218	76,555,923	175,194,419	139,646,423	331,129,690
New Brunswick						
Foods and beverages	346	6,687	12,797,555	73,176,538	31,945,301	107,754,469
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	8	308	604,333	1,082,096	1,131,332	2,224,019
Textiles	13	670	1,361,428	1,177,243	1,753,154	3,070,618
Knitting mills	1	1	1	1	1	1
Clothing	6	151	191,281	255,774	298,608	570,931
Wood products	501	3,950	7,177,089	19,133,679	12,571,091	32,381,496
Paper products	16	4,428	17,283,791	45,355,288	44,988,192	97,980,345
Printing, publishing and allied industries	73	959	2,421,013	1,519,498	4,275,813	5,863,788
Iron and steel products	31	1,205	3,378,842	5,162,096	6,091,127	11,517,473
Transportation equipment	10	2,473	7,028,876	6,928,950	8,904,393	16,173,716
Non-ferrous metal products	1	1	1	1	1	1
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	24	539	1,421,816	1,545,417	3,591,894	6,237,887
Products of petroleum and coal	1	1	1	1	1	1
Chemicals and allied products	7	131	441,001	3,116,055	1,138,912	4,211,083
Miscellaneous industries ²	17	933	2,576,310	2,397,585	4,118,397	6,843,225
Totals	1,052	22,434	56,683,345	160,905,219	120,808,214	294,829,050
Quebec						
Foods and beverages	2,622	46,146	123,843,253	618,697,977	323,979,671	949,487,854
Tobacco and tobacco products	33	7,385	24,397,707	82,827,631	74,611,267	156,559,853
Rubber products	32	6,745	19,697,454	24,780,045	35,055,289	59,800,237
Leather products	344	16,190	33,419,597	48,584,762	51,477,352	100,729,618
Textiles	455	39,496	105,464,027	229,891,103	162,823,961	396,685,292
Knitting mills	147	10,193	21,302,996	33,375,387	36,212,112	70,112,820
Clothing	1,608	56,508	118,981,924	231,827,113	203,306,663	436,026,753
Wood products	3,215	32,965	73,803,262	154,623,085	125,214,942	283,743,769
Paper products	1,198	35,851	136,637,150	303,993,776	339,683,881	688,374,500
Printing, publishing and allied industries	1,247	19,182	62,325,924	121,672,511	112,151,873	170,064,348
Iron and steel products	679	41,501	142,368,167	201,220,053	254,316,898	463,989,550
Transportation equipment	118	31,197	110,463,879	121,672,511	155,564,474	281,343,672
Non-ferrous metal products	187	18,919	71,633,330	434,718,997	191,270,904	660,250,574
Electrical apparatus and supplies	98	20,468	73,705,658	120,114,280	125,195,684	248,149,015
Non-metallic mineral products	339	11,467	37,459,420	52,848,933	85,403,450	152,196,126
Products of petroleum and coal	18	4,045	15,784,980	241,599,599	132,863,573	387,331,805
Chemicals and allied products	371	21,236	73,975,901	159,643,404	166,549,304	334,497,949
Miscellaneous industries	483	10,081	25,813,324	35,392,182	46,651,758	83,013,339
Totals	12,194	429,575	1,271,077,953	3,152,541,331	2,622,333,056	5,922,367,074
Ontario						
Foods and beverages	2,903	71,663	209,350,205	887,227,268	552,454,759	1,454,092,885
Tobacco and tobacco products	20	2,131	5,023,832	80,185,810	13,999,304	34,318,563
Rubber products	42	15,106	53,895,965	112,162,510	151,674,057	262,157,593
Leather products	231	12,559	31,689,202	53,559,676	49,696,897	104,595,157
Textiles	384	26,390	74,508,395	159,466,394	138,218,299	303,594,004
Knitting mills	131	10,299	23,569,023	37,659,475	37,415,412	76,276,871
Clothing	758	24,062	58,447,292	91,282,395	90,643,373	181,796,168
Wood products	2,509	35,961	96,350,236	163,181,149	159,299,814	327,624,138
Paper products	1,271	33,911	130,998,856	299,107,920	309,677,328	635,238,218
Printing, publishing and allied industries	1,825	34,903	124,315,459	107,432,095	218,180,427	328,237,043
Iron and steel products	1,476	115,318	438,117,690	673,665,987	794,871,975	1,488,210,691
Transportation equipment	240	79,789	312,110,672	932,192,669	565,078,192	1,513,678,038
Non-ferrous metal products	311	26,709	98,456,533	420,976,114	319,600,466	760,620,623
Electrical apparatus and supplies	300	53,841	184,407,008	342,983,423	332,283,086	667,583,811
Non-metallic mineral products	523	19,960	69,831,593	90,274,280	158,642,076	266,277,871
Products of petroleum and coal	36	7,314	31,001,492	224,709,024	138,702,371	376,579,184
Chemicals and allied products	553	25,137	90,764,804	266,606,480	291,452,789	576,133,840
Miscellaneous industries	763	18,819	56,067,370	71,552,754	104,764,146	178,628,258
Totals	13,276	613,872	2,088,905,627	5,014,225,423	4,426,654,771	9,617,642,961

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Group, 1955 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Manitoba						
Foods and beverages	369	9,693	30,065,677	159,834,275	68,068,598	230,679,025
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	3	11	15,594	43,443	53,687	97,737
Leather products	24	703	1,459,862	3,015,490	2,299,880	5,404,998
Textiles	38	818	1,881,208	6,003,993	3,549,822	9,694,337
Knitting mills	3	68	132,175	427,030	283,266	721,000
Clothing	155	5,800	12,302,847	24,748,700	17,968,907	42,754,448
Wood products	316	3,132	7,709,265	14,268,955	12,687,587	27,319,852
Paper products	23	1,490	4,924,595	13,104,846	17,196,101	31,416,967
Printing, publishing and allied industries	285	3,725	11,158,700	9,207,026	19,870,426	29,337,415
Iron and steel products	126	4,937	17,574,860	24,796,148	33,009,096	59,374,050
Transportation equipment	28	6,184	19,746,690	18,551,193	22,390,454	41,551,534
Non-ferrous metal products	18	466	1,672,119	9,512,080	10,569,470	20,514,984
Electrical apparatus and supplies	19	872	2,612,640	5,096,462	6,080,256	11,211,665
Non-metallic mineral products	39	1,213	3,807,792	5,441,725	10,887,228	18,217,066
Products of petroleum and coal	6	783	3,027,634	26,165,784	14,371,721	41,966,517
Chemicals and allied products	38	743	1,969,907	6,748,407	5,067,371	12,124,065
Miscellaneous industries	59	680	1,657,008	2,733,208	3,138,238	5,965,421
Totals	1,549	41,318	121,718,573	329,698,765	247,472,108	588,351,081
Saskatchewan						
Foods and beverages	231	4,975	15,098,450	87,444,147	39,314,447	128,279,268
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	1	1	1	1	1	1
Textiles	8	69	145,841	1,063,411	194,785	1,261,676
Knitting mills	1	1	1	1	1	1
Clothing	14	255	582,185	1,042,912	929,883	1,858,279
Wood products	382	1,571	3,182,652	5,898,977	6,248,936	12,408,066
Paper products	4	27	67,325	100,236	135,832	233,096
Printing, publishing and allied industries	188	1,523	4,378,361	2,999,542	7,335,726	10,478,578
Iron and steel products	53	713	2,288,782	3,613,124	3,522,471	7,219,093
Transportation equipment	7	16	36,974	28,134	58,801	90,309
Non-ferrous metal products	1	1	1	1	1	1
Electrical apparatus and supplies	1	1	1	1	1	1
Non-metallic mineral products	34	1,352	1,018,541	975,838	2,827,320	3,917,962
Products of petroleum and coal	12	1,235	5,071,730	51,999,935	29,989,513	85,153,682
Chemicals and allied products	10	200	743,057	2,255,904	541,533	3,170,604
Miscellaneous industries ²	17	554	2,211,613	16,656,541	22,499,375	41,091,424
Totals	960	11,490	34,825,511	174,078,701	113,598,622	295,162,037
Alberta						
Foods and beverages	419	11,091	33,031,892	192,179,921	78,721,470	272,807,725
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	1	1	1	1	1	1
Leather products	10	46	103,955	100,932	127,955	224,604
Textiles	19	368	1,231,541	2,837,719	1,922,655	5,108,352
Knitting mills	4	43	90,885	106,578	130,058	259,599
Clothing	24	834	1,778,847	3,282,972	4,293,202	7,662,761
Wood products	989	5,966	13,301,177	28,711,851	27,051,937	56,917,489
Paper products	13	566	1,894,363	5,730,327	4,443,628	10,268,129
Printing, publishing and allied industries	276	2,414	7,148,826	6,079,129	14,324,609	20,573,810
Iron and steel products	153	3,464	12,002,292	18,568,027	22,004,030	40,552,978
Transportation equipment	23	2,831	9,251,106	9,082,564	10,036,263	19,389,748
Non-ferrous metal products	12	685	2,860,212	6,781,443	8,009,851	15,164,078
Electrical apparatus and supplies	9	194	517,640	2,056,107	1,089,032	3,088,129
Non-metallic mineral products	76	2,673	8,236,406	12,111,809	19,897,621	33,035,807
Products of petroleum and coal	21	1,822	7,359,750	65,927,531	47,126,611	116,232,764
Chemicals and allied products	31	1,532	6,717,633	11,822,005	21,822,372	36,865,383
Miscellaneous industries ²	47	336	1,022,290	643,938	2,307,407	2,996,879
Totals	2,126	34,846	106,548,815	366,022,853	263,308,701	641,148,235
British Columbia						
Foods and beverages	667	16,539	49,241,369	212,627,607	107,792,278	323,395,341
Tobacco and tobacco products	1	1	1	1	1	1
Rubber products	4	47	157,359	87,542	233,916	343,474
Leather products	18	493	1,174,079	2,022,191	1,889,722	3,897,639
Textiles	40	721	1,771,397	4,480,124	3,064,231	7,823,376
Knitting mills	4	247	562,910	759,404	1,076,515	1,836,958
Clothing	70	1,487	3,281,108	5,450,474	4,953,085	10,454,440
Wood products	2,400	43,443	143,069,559	311,653,033	270,777,218	589,778,471
Paper products	46	8,640	37,906,735	90,486,049	105,177,332	204,185,484
Printing, publishing and allied industries	415	5,000	17,730,153	11,965,388	30,225,896	42,550,838
Iron and steel products	311	8,118	30,376,187	48,226,842	55,585,752	104,259,300
Transportation equipment	104	4,589	17,370,266	14,226,460	28,931,716	43,693,697
Non-ferrous metal products	49	5,574	23,061,935	85,644,022	37,168,503	126,984,777
Electrical apparatus and supplies	28	708	2,377,583	6,797,351	4,386,222	11,129,767
Non-metallic mineral products	90	1,804	6,449,087	8,144,502	14,088,364	23,765,705
Products of petroleum and coal	8	1,474	6,486,597	66,298,896	41,236,973	110,852,119
Chemicals and allied products	92	2,494	9,508,706	24,519,137	38,770,615	66,068,567
Miscellaneous industries ²	130	1,050	3,285,687	2,584,646	5,539,170	8,323,863
Totals	4,486	102,408	353,810,727	895,973,668	750,877,508	1,679,344,816

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Group, 1955 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Yukon and Northwest Territories						
Foods and beverages	6	22	50,257	74,082	124,541	211,434
Wood products	14	63	147,605	201,303	293,295	512,538
Miscellaneous industries	6	85	406,645	2,568,510	1,314,675	4,027,028
Totals	26	170	604,507	2,843,895	1,732,511	4,751,000

1. Confidential. Included with miscellaneous industries.
2. Confidential. Includes all groups marked with 1.
3. Includes printing and publishing, sheet metal products, jewellery and silverware, petroleum products, and acids, alkalies and salts.
4. Publication of these figures are authorized by the firms concerned.
5. Included with all other groups.

The degree of concentration of manufacturing in large units is illustrated in Table 2. In Newfoundland 39.4 p.c. of all persons engaged in manufacturing were employed in establishments having 500 or more employees, as compared with 35.4 p.c. for Canada as a whole. Newfoundland thus assumed the premier position in 1954, displacing Ontario which formerly

ranked first. Ontario ranked second with 39.2 p.c., followed by Quebec with 36.8 p.c., New Brunswick 28.8 p.c., British Columbia 26.9 p.c., Nova Scotia 26.8 p.c., Manitoba 23.9 p.c. and Alberta 14.9 p.c. There were no plants in either Prince Edward Island or Saskatchewan with an employment of 500 or more persons.

TABLE 2. Concentration of Manufacturing Production in Each Province, 1955

Province	Number of establishments employing 500 or more persons	Percentage of total number of establishments in province	Provincial percentage of number of employees accounted for by these establishments
Newfoundland	3	0.4	39.4
Prince Edward Island	—	—	—
Nova Scotia	5	0.3	26.8
New Brunswick	7	0.7	28.8
Quebec	138	1.1	36.8
Ontario	181	1.4	39.2
Manitoba	10	0.6	23.9
Saskatchewan	—	—	—
Alberta	7	0.3	14.9
British Columbia	29	0.6	26.9
Yukon and Northwest Territories	—	—	—
Canada	380	1.0	35.4

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1955

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Under 5 employees	16,762	36,340	59,398,282	7,072,631	199,845,053	321,060,294
5 to 14 employees	9,864	81,471	196,188,927	17,163,636	506,403,606	893,496,603
15 " 49 "	6,340	189,575	454,759,369	33,963,960	1,115,389,803	2,044,648,477
50 " 99 "	2,082	144,411	403,644,794	30,312,185	945,706,232	1,801,018,280
100 " 199 "	1,175	163,091	484,002,822	40,579,416	1,255,172,356	2,321,740,177
200 " 499 "	739	227,667	744,303,960	89,155,333	1,904,357,908	3,711,460,713
500 " 999 "	243	167,720	602,245,780	92,021,915	1,603,425,348	2,979,667,148
1,000 " 1,499 "	76	91,840	332,556,092	41,676,418	736,449,982	1,455,947,279
1,500 and over	61	200,413	785,252,917	105,823,796	2,067,232,636	3,979,843,717
Not classifiable	840	—	—	—	4,219,241	5,051,123
Head Offices ¹	—	15,933	80,056,591	20,180	—	—
Totals	38,182	1,298,461	4,142,409,534	457,789,470	10,338,202,165	19,513,933,811
Newfoundland:						
Under 5 employees	629	1,038	706,717	77,963	1,244,811	2,712,544
5 to 14 employees	65	529	963,512	128,306	2,059,589	4,461,809
15 " 49 "	45	1,140	2,815,600	337,691	5,173,845	11,207,882
50 " 99 "	23	1,638	4,226,436	402,277	8,491,540	17,604,173
100 " 199 "	11	1,476	2,668,704	518,531	3,993,353	10,721,315
200 " 499 "	2	—	—	—	—	—
500 " 999 "	1	4,534	17,189,699	3,981,434	28,935,122	68,845,716
1,000 " 1,499 "	1	—	—	—	—	—
1,500 and over	1	—	—	—	16,596	25,597
Not classifiable	7	—	—	—	—	—
Head Offices ¹	—	6	33,800	—	—	—
Totals	785	10,361	28,604,468	5,446,202	49,914,856	115,579,036

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1955 - Continued

Province and group	Estab- lish- ments No.	Employees No.	Salaries and wages \$	Cost of fuel and electricity \$	Cost at plant of materials used \$	Selling value of factory shipments \$
Prince Edward Island:						
Under 5 employees	125	253	306,419	42,426	2,244,604	3,003,334
5 to 14 employees	44	365	505,974	90,773	3,236,558	4,375,188
15 " 49 "	29	701	1,171,657	141,159	5,550,949	8,233,271
50 " 99 "	3	450	1,090,035	108,800	5,764,068	8,010,182
200 " 499 "	1	—	—	—	—	—
Not classifiable	2	—	—	—	6,856	6,856
Totals	204	1,769	3,074,085	383,158	16,803,035	23,628,831
Nova Scotia:						
Under 5 employees	768	1,591	1,865,360	194,375	6,831,902	10,800,368
5 to 14 employees	406	3,285	5,768,816	708,057	19,672,723	32,145,856
15 " 49 "	206	5,130	10,029,247	1,221,380	31,768,431	52,588,953
50 " 99 "	53	3,768	8,155,456	1,113,009	20,178,698	37,665,704
100 " 199 "	19	2,639	6,495,172	778,324	12,770,909	27,460,833
200 " 499 "	18	5,590	16,644,460	2,964,973	51,743,700	91,049,942
500 " 999 "	3	—	—	—	—	—
1,500 and over	2	8,089	27,369,501	3,681,578	32,136,641	79,307,585
Not classifiable	49	—	—	—	91,415	109,449
Head Offices ¹	—	66	227,911	—	—	—
Totals	1,524	30,218	76,555,923	10,661,696	175,194,419	331,129,690
New Brunswick:						
Under 5 employees	571	1,169	1,362,627	202,113	6,152,633	9,455,869
5 to 14 employees	262	2,185	3,875,079	502,252	12,970,494	21,826,938
15 " 49 "	126	3,277	6,261,392	695,793	18,255,114	30,563,961
50 " 99 "	40	2,677	5,827,762	710,326	20,248,639	32,656,346
100 " 199 "	24	2,978	6,691,978	1,232,931	18,355,830	34,153,723
200 " 499 "	11	3,530	10,687,993	2,513,246	24,940,422	44,215,333
500 " 999 "	4	2,826	9,218,097	3,209,981	41,371,442	77,641,132
1,000 " 1,499 "	3	3,627	11,906,601	3,391,554	18,575,558	44,271,491
Not classifiable	11	—	—	—	35,087	44,257
Head Offices ¹	—	165	871,816	—	—	—
Totals	1,052	22,434	56,683,345	12,458,196	160,905,219	294,829,050
Quebec:						
Under 5 employees	5,329	11,870	19,737,699	2,352,302	94,212,306	135,699,747
5 to 14 employees	3,058	25,271	56,472,437	4,469,482	165,329,102	278,440,014
15 " 49 "	2,162	58,364	139,143,005	8,631,741	332,768,941	609,605,823
50 " 99 "	691	47,860	118,244,444	8,106,208	257,767,592	494,841,786
100 " 199 "	373	51,434	137,826,100	11,776,965	330,574,862	622,259,986
200 " 499 "	225	68,916	205,912,925	26,532,467	505,827,630	1,004,811,690
500 " 999 "	85	58,718	201,300,851	44,946,875	712,848,656	1,201,754,667
1,000 " 1,499 "	32	38,695	131,972,728	22,823,296	298,709,406	590,528,995
1,500 and over	21	60,734	221,906,633	29,816,860	453,160,043	982,819,547
Not classifiable	218	—	—	—	1,342,893	1,604,819
Head Offices ¹	—	7,713	38,561,131	—	—	—
Totals	12,194	429,575	1,271,077,953	159,456,200	3,152,541,331	5,922,367,074
Ontario:						
Under 5 employees	4,928	10,953	20,058,303	2,532,977	55,502,718	95,308,416
5 to 14 employees	3,552	29,692	76,415,218	6,207,977	178,116,088	325,168,060
15 " 49 "	2,494	67,805	195,374,881	14,888,030	468,785,676	870,952,233
50 " 99 "	897	62,424	186,041,758	13,195,025	431,274,265	829,829,769
100 " 199 "	551	77,231	241,891,693	17,886,983	586,600,100	1,102,581,310
200 " 499 "	386	119,580	401,168,507	34,049,374	879,775,808	1,767,806,626
500 " 999 "	117	79,551	294,871,727	36,580,127	601,040,231	1,252,376,048
1,000 " 1,499 "	32	39,478	151,614,010	12,778,965	343,451,063	658,560,498
1,500 and over	32	121,528	493,022,066	64,810,555	1,467,733,653	2,712,707,814
Not classifiable	287	—	—	—	1,945,821	2,352,087
Head Offices ¹	—	5,630	28,447,464	—	—	—
Totals	13,276	613,872	2,088,905,627	202,930,013	5,014,225,423	9,617,642,961
Manitoba:						
Under 5 employees	651	1,450	2,535,445	264,634	6,068,072	11,047,927
5 to 14 employees	396	3,246	7,639,843	703,662	23,876,018	38,682,806
15 " 49 "	246	6,555	17,533,768	1,390,727	42,922,618	77,095,828
50 " 99 "	103	7,082	19,533,589	1,204,523	43,550,879	84,466,632
100 " 199 "	52	7,459	21,995,115	2,657,283	80,034,272	138,489,063
200 " 499 "	19	5,401	18,053,185	3,618,779	39,245,920	86,885,519
500 " 999 "	3	3,258	11,736,843	829,801	48,230,502	76,535,923
1,000 " 1,499 "	3	—	—	—	—	—
1,500 and over	2	6,636	21,757,149	770,550	45,547,875	74,908,120
Not classifiable	72	—	—	—	222,609	239,263
Head Offices ¹	—	231	933,636	—	—	—
Totals	1,549	41,318	121,718,573	11,439,959	329,698,765	588,351,081

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1955. — Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Saskatchewan:						
Under 5 employees	574	1,104	1,630,219	189,679	3,815,518	7,071,444
5 to 14 employees	215	1,665	3,988,024	569,754	13,683,764	22,259,698
15 " 49 "	91	2,256	6,672,915	807,900	19,933,763	34,068,761
50 " 99 "	25	1,747	5,611,986	539,508	16,819,412	32,903,313
100 " 199 "	14	1,712	5,323,982	677,504	24,012,333	38,322,823
200 " 499 "	9	2,747	10,582,573	4,997,012	95,719,345	160,436,560
Not classifiable	32	—	—	—	94,566	99,438
Head Offices ¹	—	259	1,015,812	—	—	—
Totals	960	11,490	34,825,511	7,781,357	174,078,701	295,162,037
Alberta:						
Under 5 employees	1,148	2,268	3,258,811	397,799	9,041,940	15,545,804
5 to 14 employees	528	4,318	10,826,381	1,125,270	29,552,487	51,307,950
15 " 49 "	241	6,092	18,428,422	1,620,683	46,954,301	89,344,123
50 " 99 "	73	5,077	15,261,633	1,424,358	46,380,551	85,538,822
100 " 199 "	33	4,513	13,723,061	1,540,925	54,993,362	93,441,813
200 " 499 "	23	7,120	25,984,550	5,547,061	108,067,353	201,588,480
500 " 999 "	6	—	—	—	—	—
1,000 " 1,499 "	1	5,204	17,940,765	839,146	70,897,339	104,217,876
Not classifiable	73	—	—	—	134,920	163,364
Head Offices ¹	—	254	1,125,192	—	—	—
Totals	2,126	34,846	106,548,815	12,496,242	366,022,853	641,148,235
British Columbia:						
Under 5 employees	2,023	4,606	7,851,213	802,002	14,600,069	30,072,971
5 to 14 employees	1,330	10,851	29,546,198	2,633,304	57,237,341	113,706,970
15 " 49 "	699	18,190	57,298,780	4,227,256	143,249,965	261,046,195
50 " 99 "	173	11,832	39,986,283	3,437,114	98,244,211	180,589,393
100 " 199 "	98	13,649	47,387,017	3,509,970	143,837,335	254,309,311
200 " 499 "	22	14,120	53,949,503	8,796,292	192,550,900	345,598,604
500 " 999 "	45	16,079	61,888,140	4,458,137	124,786,961	248,944,730
1,000 " 1,499 "	4	4,403	16,621,466	986,038	23,507,783	74,013,487
1,500 and over	3	7,069	30,442,298	5,704,072	97,630,619	170,657,162
Not classifiable	89	—	—	—	328,478	405,993
Head Offices ¹	—	1,609	8,839,829	20,180	—	—
Totals	4,486	102,408	353,810,727	34,555,265	895,973,668	1,679,344,816
Yukon and Northwest Territories:						
Under 5 employees	16	38	85,469	16,361	130,480	341,870
5 to 14 employees	8	—	—	—	—	—
15 " 49 "	1	132	519,038	164,821	2,713,415	4,409,130
50 " 99 "	1	—	—	—	—	—
Totals	26	170	604,507	181,182	2,843,895	4,751,000

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1955

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Canada:						
Under \$10,000	9,049	12,749	12,387,371	1,318,097	18,032,480	39,195,940
\$ 10,000 to \$ 24,999	6,278	19,897	34,443,363	2,986,360	47,363,935	104,285,017
25,000 " 49,999	5,112	29,267	60,161,882	4,763,012	86,583,138	184,847,245
50,000 " 99,999	4,781	45,661	105,072,063	7,594,987	168,910,910	343,512,650
100,000 " 199,999	4,250	66,730	164,284,743	11,954,827	317,782,633	608,414,152
200,000 " 499,999	3,970	126,492	331,196,555	20,600,644	651,390,726	1,261,916,569
500,000 " 999,999	2,013	126,989	353,969,383	22,687,896	725,278,136	1,411,584,589
1,000,000 " 4,999,999	2,101	334,199	1,038,377,756	77,034,928	2,219,074,637	4,364,363,277
5,000,000 and over	628	520,544	1,962,459,827	308,828,539	6,103,785,570	11,195,814,372
Head Offices ¹	—	15,933	80,056,591	20,180	—	—
Totals	38,182	1,298,461	4,142,409,534	457,789,470	10,338,202,165	19,513,933,811
Newfoundland:						
Under \$10,000	582	890	452,571	55,375	758,722	1,676,605
\$ 10,000 to \$ 24,999	63	254	338,850	30,318	492,575	1,059,673
25,000 " 49,999	34	233	403,206	48,487	587,071	1,224,818
50,000 " 99,999	21	307	563,501	50,018	681,993	1,467,058
100,000 " 199,999	28	601	1,225,768	110,954	2,034,957	4,144,348
200,000 " 499,999	22	896	1,867,557	223,521	3,725,174	7,365,702
500,000 " 999,999	19	1,566	3,334,834	342,848	6,095,952	13,164,075
1,000,000 " 4,999,999	14	—	—	—	—	—
5,000,000 and over	2	5,606	20,284,381	4,584,681	35,538,412	85,476,757
Head Offices ¹	—	6	33,800	—	—	—
Totals	785	10,361	28,604,468	5,446,202	49,914,856	115,579,036

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1955 — Continued

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Prince Edward Island:						
Under \$10,000	80	113	83,265	7,470	144,956	326,560
\$ 10,000 to \$ 24,999	30	107	123,896	15,955	269,791	495,818
25,000 " 49,999	19	115	136,447	17,636	478,546	740,514
50,000 " 99,999	29	261	343,594	44,054	1,457,688	2,117,326
100,000 " 199,999	22	358	554,426	69,031	1,882,464	3,017,130
200,000 " 499,999	15	320	618,501	69,433	3,290,411	4,516,115
500,000 " 999,999	7					
1,000,000 " 4,999,999	1	495	1,213,956	159,579	9,279,179	12,415,368
5,000,000 and over	1					
Head Offices ¹	—	—	—	—	—	—
Totals	204	1,769	3,074,085	383,158	16,803,035	23,628,831
Nova Scotia:						
Under \$10,000	514	723	549,157	52,389	1,032,432	2,055,918
\$ 10,000 to \$ 24,999	242	760	1,070,345	101,927	2,026,263	3,967,691
25,000 " 49,999	208	1,221	2,018,814	169,648	3,997,047	7,690,410
50,000 " 99,999	193	1,893	3,135,456	340,323	8,449,761	14,469,349
100,000 " 199,999	151	2,554	4,570,781	510,855	12,303,739	21,301,770
200,000 " 499,999	123	3,743	7,539,317	935,176	22,234,643	37,883,764
500,000 " 999,999	41	2,511	5,837,695	760,985	16,778,970	28,932,315
1,000,000 " 4,999,999	46	9,161	23,766,510	2,264,969	48,987,589	96,835,655
5,000,000 and over	6	7,586	27,839,937	5,525,424	59,383,975	117,992,818
Head Offices ¹	—	66	227,911	—	—	—
Totals	1,524	30,218	76,555,923	10,661,696	175,194,419	331,129,690
New Brunswick:						
Under \$10,000	367	551	400,834	44,850	816,299	1,579,561
\$ 10,000 to \$ 24,999	177	587	743,668	67,646	1,459,189	2,869,745
25,000 " 49,999	134	802	1,216,307	122,698	2,533,785	4,807,306
50,000 " 99,999	121	1,223	2,078,755	248,527	4,759,128	8,751,094
100,000 " 199,999	101	1,744	3,035,169	378,163	7,738,205	14,122,105
200,000 " 499,999	74	2,419	5,106,381	455,640	12,562,214	22,586,147
500,000 " 999,999	28	2,227	4,775,835	590,498	9,821,293	18,677,992
1,000,000 " 4,999,999	40	5,661	13,892,813	2,345,056	42,424,694	71,265,683
5,000,000 and over	10	7,055	24,561,767	8,205,118	78,790,412	150,169,417
Head Offices ¹	—	165	871,816	—	—	—
Totals	1,052	22,434	56,683,345	12,458,196	160,905,219	294,829,050
Quebec:						
Under \$10,000	2,351	3,360	3,515,733	357,639	5,568,711	11,455,521
\$ 10,000 to \$ 24,999	2,097	6,529	10,912,169	910,222	16,808,973	34,961,224
25,000 " 49,999	1,823	10,747	20,279,902	1,486,042	32,342,444	65,515,095
50,000 " 99,999	1,695	17,087	35,554,601	2,199,558	63,202,136	121,545,594
100,000 " 199,999	1,463	23,512	52,524,545	3,218,107	116,032,646	209,387,728
200,000 " 499,999	1,347	45,230	105,791,537	5,644,817	226,757,371	424,733,554
500,000 " 999,999	644	45,492	111,723,094	6,339,534	237,914,431	451,827,179
1,000,000 " 4,999,999	584	98,763	282,816,207	22,780,919	605,901,348	1,192,174,658
5,000,000 and over	190	171,142	609,399,034	116,519,362	1,848,013,271	3,410,766,521
Head Offices ¹	—	7,713	38,561,131	—	—	—
Totals	12,194	429,575	1,271,077,953	159,456,200	3,152,541,331	5,922,367,074
Ontario:						
Under \$10,000	2,437	3,342	3,750,798	403,060	4,787,973	10,917,158
\$ 10,000 to \$ 24,999	2,066	6,569	12,160,746	1,051,665	14,973,458	34,503,076
25,000 " 49,999	1,736	9,769	21,816,509	1,698,912	28,902,710	63,221,343
50,000 " 99,999	1,685	15,515	39,221,340	2,709,454	57,718,442	120,787,064
100,000 " 199,999	1,571	25,205	65,732,438	4,612,893	112,828,815	225,489,878
200,000 " 499,999	1,594	52,529	147,368,508	8,551,277	248,071,158	509,495,071
500,000 " 999,999	856	53,811	162,319,118	9,939,632	290,969,621	600,700,629
1,000,000 " 4,999,999	1,028	171,030	555,704,126	36,983,090	1,093,036,501	2,206,472,948
5,000,000 and over	303	270,472	1,052,384,580	136,980,030	3,162,936,745	5,846,055,794
Head Offices ¹	—	5,630	28,447,464	—	—	—
Totals	13,276	613,872	2,088,905,627	202,930,013	5,014,225,423	9,617,642,961
Manitoba:						
Under \$10,000	383	484	521,908	55,366	773,868	1,616,217
\$ 10,000 to \$ 24,999	300	957	1,748,169	141,273	2,163,983	4,900,298
25,000 " 49,999	177	1,046	2,290,025	160,238	2,693,991	6,216,984
50,000 " 99,999	164	1,756	4,053,394	296,812	5,574,894	12,111,961
100,000 " 199,999	165	2,444	6,390,569	491,240	12,296,368	23,323,756
200,000 " 499,999	167	5,389	13,942,656	983,453	29,843,988	55,299,276
500,000 " 999,999	92	5,484	14,773,664	823,011	34,569,160	64,286,344
1,000,000 " 4,999,999	81	11,540	35,515,819	2,569,440	87,761,799	162,967,304
5,000,000 and over	20	11,987	41,548,733	5,919,126	154,020,714	257,628,941
Head Offices ¹	—	231	933,636	—	—	—
Totals	1,549	41,318	121,718,573	11,439,959	329,698,765	588,351,081

1. Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1955 - Concluded

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Saskatchewan:						
Under \$10,000	428	571	517,632	69,311	646,940	1,564,113
\$ 10,000 to \$ 24,999	157	555	973,146	87,525	1,079,190	2,612,216
25,000 " 49,999	95	547	1,174,946	116,085	1,416,358	3,571,703
50,000 " 99,999	79	675	1,733,973	201,517	2,440,679	5,657,690
100,000 " 199,999	62	747	2,099,765	258,459	4,398,075	8,838,481
200,000 " 499,999	73	1,642	4,940,925	447,353	14,041,559	23,358,403
500,000 " 999,999	26	1,046	3,041,203	362,933	11,043,304	17,229,108
1,000,000 " 4,999,999	29	2,566	8,129,200	753,731	23,458,115	47,037,320
5,000,000 and over	11	2,882	11,198,909	5,484,443	115,554,481	185,293,003
Head Offices ¹	—	259	1,015,812	—	—	—
Totals	960	11,490	34,825,511	7,781,357	174,078,701	295,162,037
Alberta:						
Under \$10,000	811	1,097	913,300	110,404	1,290,101	2,873,464
\$ 10,000 to \$ 24,999	319	973	1,776,614	163,222	2,133,840	5,175,923
25,000 " 49,999	218	1,241	2,748,045	219,622	3,307,360	8,015,942
50,000 " 99,999	236	2,039	5,130,690	482,910	7,419,510	16,826,489
100,000 " 199,999	203	2,655	7,395,424	657,523	15,642,287	29,258,001
200,000 " 499,999	162	4,040	11,821,190	1,002,821	27,662,587	51,511,081
500,000 " 999,999	79	3,752	11,321,923	885,646	30,136,697	54,745,635
1,000,000 " 4,999,999	72	9,684	30,562,746	2,226,109	77,755,810	154,637,174
5,000,000 and over	26	9,111	33,753,691	6,747,985	200,674,661	318,104,526
Head Offices ¹	—	254	1,125,192	—	—	—
Totals	2,126	34,846	106,548,815	12,496,242	366,022,853	641,148,235
British Columbia:						
Under \$10,000	1,091	1,611	1,676,793	161,413	2,204,098	5,108,210
\$ 10,000 to \$ 24,999	821	2,584	4,555,860	410,003	5,914,924	13,633,819
25,000 " 49,999	660	3,514	7,973,801	712,984	10,219,382	23,550,960
50,000 " 99,999	554	4,876	13,170,107	1,013,154	17,113,969	39,513,959
100,000 " 199,999	483	6,988	20,721,733	1,640,176	32,568,477	69,379,955
200,000 " 499,999	393	10,282	32,099,983	2,287,153	63,201,621	125,167,456
500,000 " 999,999	220	10,844	36,298,734	2,546,997	84,002,398	156,528,040
1,000,000 " 4,999,999	205	23,468	82,561,110	6,233,339	227,468,473	405,710,116
5,000,000 and over	59	36,722	145,912,777	19,529,866	453,280,326	840,752,301
Head Offices ¹	—	1,609	8,839,829	20,180	—	—
Totals	4,486	102,408	353,810,727	34,555,265	895,973,668	1,679,344,816
Yukon and Northwest Territories:						
Under \$10,000	5	7	5,380	820	8,380	22,613
\$ 10,000 to \$ 24,999	6	22	39,900	6,604	41,749	105,534
25,000 " 49,999	8	32	103,880	10,660	104,444	292,170
50,000 " 99,999	4	29	86,652	8,660	92,710	265,066
100,000 " 199,999	1	80	368,695	154,438	2,596,612	4,065,617
500,000 " 999,999	1					
1,000,000 4,999,999	1					
Totals	26	170	604,507	181,182	2,843,895	4,751,000

1. Under this heading are included only those head offices that are not located at the plant.

SECTION 2. THE MANUFACTURES OF THE ATLANTIC PROVINCES

The Atlantic Provinces are of economic importance in a number of fields, such as pulp and paper, fish processing, sawmills and primary iron and steel. In Newfoundland manufacturing production is dominated by the forest and fisheries resources. Pulp and paper was the most important industry in 1955 with shipments valued at \$62,615,842, followed by fish processing \$17,445,197. These two industries accounted for 69 per cent of the total production of the Province. In Prince Edward Island agriculture and fishing resources make butter and cheese, slaughtering and meat packing, fish processing, and prepared stock and poultry feeds the leading industries. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forests and agricultural lands and is favoured with easy access by sea to the high-grade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of fish processing, primary iron and steel, shipbuilding and repairs, pulp and paper, sawmills, railway rolling stock, and butter and cheese. In addition, important petroleum refineries; cotton yarn and cloth, and coke and gas plants add to the diversification in the Province. The forest of New Brunswick give a leading place to its pulp and paper and sawmilling industries. Other important manufacturing and processing are based on fish and agricultural resources.

Nova Scotia and New Brunswick, despite the lack of large rivers, have valuable sources of hydraulic power, a considerable

portion, of which has been developed. Tentative estimates give Newfoundland a potential of almost 1,000,000 h.p. at ordinary minimum flow, while in Labrador, the Hamilton River is outstanding as a potential source of power. Turbine installation at the end of 1955 totalled 325,150 h.p. in Newfoundland, 1,882 in Prince Edward Island, 176,908 in Nova Scotia and 164,130 in New Brunswick. Compared with Quebec, Ontario and British Columbia, the installed power in the Atlantic Provinces, is very small, amounting to 668,070 h.p. This compares with a total of 1,191,845 in the Prairie Provinces and 17,735,221 in the whole of Canada.

Considering the Atlantic Provinces as an economic unit, pulp and paper was the leading industry in 1955 with factory shipments valued at \$178,103,158. This was followed by fish processing with \$88,652,293, sawmills \$46,516,711, primary iron and steel \$43,561,192, shipbuilding \$26,806,967, and butter and cheese \$25,830,553. These six industries accounted for 54 per cent of the total value of factory shipments of the Atlantic Region. Other leading industries, in order of value of factory shipments, and with shipments valued at \$10,000,000 or more, were: sugar refining, petroleum products, sash, door and planing mills, bread and other bakery products, slaughtering and meat packing, miscellaneous food preparations, railway rolling stock, printing and publishing, prepared stock and poultry feeds and breweries.

According to Table 1, manufacturing establishments reporting in 1955 numbered 3,565 for the Atlantic Provinces as a whole. These plants furnished employment to 64,782 persons who received \$164,917,821 in salaries and wages. They also shipped goods with a selling value at the factory of \$765,166,607 and spent \$402,817,529 for materials, while the value added by manufacture totalled \$327,473,219.

For the Atlantic Provinces as a whole there was an increase of 2.2 p.c. in the number of persons employed and 6.2 p.c. in the value of factory shipments in 1955 as compared with

the previous years. Not all industries, however, shared in this advance. Of the leading industries railway rolling stock with a loss of 26.9 p.c. in the value of shipments reported the greatest decline. This was followed by shipbuilding with a drop of 13.6 p.c., slaughtering and meat packing 11.3 p.c., and prepared stock and poultry feeds 10.5 p.c. The majority of the leading industries, however, reported increased shipments. The greatest gain of 35.0 p.c. was reported by the primary iron and steel industry, followed by sawmills with 23.9 p.c. and fish processing 13.2 p.c., while for the other leading industries the increase ranged between 8.2 p.c. for printing and publishing and 0.4 p.c. for miscellaneous food preparations.

Principal Statistics of the Atlantic Provinces, 1955

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$'000	\$'000	\$'000	\$'000
Newfoundland	785	10,361	28,604	49,915	60,587	115,579
Prince Edward Island	204	1,769	3,074	16,803	6,432	23,629
Nova Scotia	1,524	30,218	76,556	175,194	139,646	331,130
New Brunswick	1,052	22,434	56,683	160,905	120,808	294,829
Total	3,565	64,782	164,917	402,817	327,473	765,167

In the Atlantic region the program of industrial development has been more selective than in some of the other provinces. Fish processing, new sawmills, increased pulp-making capacity and the manufacture of non-metallic building materials like cement and gypsum products have accounted for well over half of the industrial growth. There are however, a few outstanding exceptions. Two sizeable defence plants have been established in Nova Scotia, one to repair and overhaul naval aircraft and the other to build and repair radar and related electronic equipment. Considerable development has taken place in Newfoundland. Besides plants for the manufacture of cement and gypsum wallboard and plaster, factories for producing boots and shoes, birch veneer, leather goods, industrial machinery and a leather tannery were established, thus broadening the industrial base of the province. With these exceptions, most of the developments in the Atlantic Provinces have been either small and scattered or confined to the modernization and expansion of manufacturing facilities that were already established at the close of World War II.

In spite of the rapid development in the Atlantic Provinces since 1949 manufacturing production did not quite keep pace with the development in the more industrialized provinces of

Ontario, Quebec and British Columbia. This is indicated by a slight drop in the Atlantic Provinces' share of the Canadian total from 4.52 in 1949 to 3.92 in 1955. In number of persons employed there was an increase of 1.0 per cent for the Atlantic Provinces as compared with an increase of 10.6 per cent for Canada as a whole. For salaries and wages paid the increase was 37.8 per cent as compared with 59.7 per cent for Canada, and in selling value of factory shipments the increase was 32.5 per cent for the Atlantic Provinces and 56.2 per cent for Canada as a whole.

Up to 1952 the increase in employment in the Atlantic Provinces was about the same as for Canada as a whole. Since 1953, however, employment in the Atlantic Provinces declined by 6.0 p.c. while for Canada as a whole the decline was only 2.2 p.c. The increased employment since 1949 reported by Newfoundland, Prince Edward Island and Nova Scotia was offset by a drop of 4.3 p.c. in New Brunswick, resulting in a net increase of only 1.0 p.c. for the Atlantic Provinces as compared with an increase of 10.6 p.c. for Canada. Selling value of factory shipments were 32.5 p.c. higher in the Atlantic Provinces while for Canada as a whole they were 56.2 p.c. higher.

Variation in Employment and Factory Shipments, 1955 Compared with 1949

Province	Employees	Salaries and wages	Selling value of factory shipments
	p.c.	p.c.	p.c.
Newfoundland ¹	+ 10.0	+ 56.8	+ 45.9
Prince Edward Island	+ 1.3	+ 44.1	+ 30.4
Nova Scotia	+ 3.1	+ 40.0	+ 33.7
New Brunswick	- 4.3	+ 28.2	+ 27.4
Atlantic Provinces	+ 1.0	+ 39.8	+ 32.5
Canada	+ 10.6	+ 59.7	+ 56.2

1. Exclusive of fish processing.

TABLE 5. Principal Statistics of the Leading Industries of Newfoundland, 1955

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Pulp and paper ¹	2	3,380	15,223,920	26,099,089	32,667,953	62,615,842
2	Fish processing	34	2,735	4,329,748	7,831,603	9,238,800	17,445,197
3	Breweries	3	175	602,743	775,248	2,607,587	3,397,308
4	Sash, door and planing mills	23	285	649,543	2,019,762	964,575	3,100,257
5	Bread and other bakery products	14	289	686,831	1,680,373	1,276,534	3,044,927
6	Carbonated beverages	11	115	279,879	782,913	1,330,990	2,163,823
7	Sawmills	549	919	533,581	966,571	1,090,022	2,114,437
8	Printing and publishing	7	256	783,744	343,177	1,490,252	1,869,259
9	Biscuits	3	165	430,975	538,317	761,021	1,348,119
10	Other leading industries ²	9	605	2,125,991	4,608,530	4,864,960	9,901,176
	Totals, leading industries	655	8,924	25,646,955	45,645,583	56,292,694	107,000,345
	Totals, all industries	785	10,361	28,604,468	49,914,856	60,586,922	115,579,036
	Percentage of leading industries to all industries ..	83.4	86.1	89.6	91.4	92.9	92.6

1. Publication of these figures was authorized by the firms concerned.

2. Includes: Cement, hydraulic; dairy products n.e.s.; miscellaneous food preparations; machinery, industrial; gypsum products; paints, varnishes and lacquers.

TABLE 6. Principal Statistics of the Leading Industries of Prince Edward Island, 1955

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Butter and cheese	17	196	408,671	3,917,386	989,484	4,955,875
2	Fish processing	36	448	504,080	3,037,721	974,815	4,072,015
3	Feeds, stock and poultry, prepared	11	50	85,933	919,342	231,604	1,162,838
4	Fruit and vegetable preparations	10	100	110,876	441,651	251,718	725,841
5	Printing and publishing	3	143	336,241	138,831	564,228	716,795
6	Sawmills	69	138	125,871	293,722	287,604	593,050
7	Other leading industries ¹	4	279	784,145	6,878,749	1,958,655	8,969,484
	Totals, leading industries	150	1,354	2,355,817	15,627,402	5,268,108	21,195,588
	Totals, all industries	204	1,769	3,074,085	16,803,035	6,431,660	23,628,831
	Percentage of leading industries to all industries ..	73.5	76.5	76.6	93.0	81.9	89.7

1. Includes: Bags, cotton and jute, fertilizers and slaughtering and meatpacking.

TABLE 7. Principal Statistics of the Leading Industries of Nova Scotia, 1955

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Fish processing	194	4,381	7,821,402	32,304,922	14,071,056	47,211,662
2	Primary iron and steel	3	4,089	14,542,200	18,838,833	17,925,406	43,561,192
3	Sawmills	643	3,247	4,524,842	13,431,162	9,290,391	23,057,289
4	Pulp and paper	4	1,215	4,350,655	7,458,206	12,167,547	21,084,371
5	Shipbuilding	18	2,889	9,042,542	7,813,661	11,956,277	20,064,822
6	Butter and cheese	23	718	1,722,891	7,677,336	3,411,170	11,422,817
7	Bread and other bakery products	80	858	1,833,385	3,880,803	3,835,221	8,023,885
8	Sash, door and planing mills	64	768	1,593,757	5,089,851	2,401,419	7,612,279
9	Miscellaneous iron and steel products	3	676	2,054,041	3,968,514	3,083,479	7,581,324
10	Printing and publishing	27	779	2,443,861	1,357,784	4,752,335	6,199,760
11	Knitted goods, not including hosiery	3	648	1,250,231	2,878,804	1,925,747	5,035,910
12	Confectionery	6	809	1,554,900	2,803,960	1,974,317	5,013,893
13	Fruit and vegetable prepared	17	470	719,212	2,146,432	1,424,396	4,212,853
14	Feeds, stock and poultry, preparations	13	96	185,550	3,414,184	730,273	4,172,351
15	Carbonated beverages	31	295	555,620	1,216,083	2,547,122	3,884,820
16	Miscellaneous food preparations	11	182	359,901	1,947,571	1,365,831	3,383,694
17	Fertilizers	3	62	172,218	1,542,210	406,780	2,069,120
18	All other leading industries ¹	15	3,694	12,378,689	40,826,674	28,194,133	71,848,796
	Totals, leading industries	1,158	25,876	67,205,897	158,596,990	121,462,990	295,440,838
	Totals, all industries	1,524	30,218	76,555,923	175,194,419	139,646,423	331,129,690
	Percentage of leading industries to all industries ..	75.98	85.63	87.79	90.53	86.98	89.22

1. Includes: Breweries, cotton yarn and cloth, bridge building and structural steel, wire and wire goods, aircraft and parts, salt, coke and gas products, petroleum products, boxes and bags, paper and railway rolling stock.

TABLE 8. Principal Statistics of the Leading Industries of New Brunswick, 1955

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Pulp and paper	7	4,170	16,691,754	43,175,866	43,632,194	94,402,945
2	Sawmills	385	2,676	4,448,304	11,817,871	8,700,269	20,751,935
3	Fish processing	167	2,570	2,788,224	14,493,253	5,019,835	19,923,419
4	Miscellaneous food preparations	13	365	675,229	8,444,091	2,757,117	11,431,399
5	Butter and cheese	29	449	788,686	6,966,770	2,351,984	9,451,861
6	Slaughtering and meat packing	3	388	1,295,664	7,153,926	2,069,987	9,330,402
7	Sash, door and planing mills	66	895	1,978,667	5,711,307	2,733,043	8,617,415
8	Bread and other bakery products	61	848	1,765,346	3,750,205	4,057,918	8,122,870
9	Feeds, stock and poultry, prepared	14	198	446,359	5,687,451	850,066	6,635,559
10	Shipbuilding	3	1,212	2,863,748	1,554,936	4,838,538	6,536,755
11	Heating and cooking apparatus	3	621	1,794,587	2,017,808	3,423,444	5,626,532
12	Printing and publishing	21	638	1,748,640	825,040	3,169,635	4,064,509
13	Fertilizers	3	114	390,724	3,049,236	927,041	3,919,357
14	Carbonated beverages	25	210	492,135	812,273	1,599,635	2,503,062
15	Boxes and bags, paper	7	181	387,364	1,358,799	951,037	2,322,295
16	Confectionery	5	321	623,267	1,165,862	1,048,061	2,286,890
17	Footwear, leather	3	289	569,329	1,011,398	1,074,392	2,108,510
17	All other leading industries ¹	9	3,278	10,124,346	31,339,423	20,666,542	54,199,962
Totals, leading industries		824	19,423	50,062,373	150,335,515	109,870,739	272,235,797
Totals, all industries		1,052	22,434	56,683,345	160,905,219	120,808,214	294,829,050
Percentage of leading industries to all industries ..		78.33	86.58	88.32	93.43	90.95	92.34

1. Includes: Biscuits; breweries; brass and copper products; brooms, brushes and mops; cement, hydraulic; railway rolling stock and sugar refining.

SECTION 3. THE MANUFACTURES OF QUEBEC

Quebec with about 30 per cent of Canada's total selling value of factory shipments ranks as the second largest industrial province in Canada. Manufacturing establishments reporting in 1955 numbered 12,194. These plants furnished employment to 429,575 persons who received \$1,271,077,953 in salaries and wages. They also shipped goods with a selling value at the factory of \$5,922,367,074 and spent \$3,152,541,331 for materials, leaving the calculated value added by manufacture at \$2,622,333,056.

The manufacturing industries of Quebec, in common with other provinces, made a rapid recovery from the minor recession which occurred during 1954. All groups, with the exception of transportation equipment, reported increased value of shipments. For the province as a whole the increase was 9.8 p.c. as compared with an increase of 11.2 p.c. for Canada. As regards employment, all groups, with the exception of transportation equipment and leather products, reported increases, the over-all for the province being 1.3 p.c. and for Canada 2.4 p.c.

Indexes of physical volume measure changes in production more accurately than any other indicators. Since such indexes are not available for provinces, changes in employment have to be considered as reflecting more or less the growth or decline of the various sectors of the manufacturing field. In comparing the changes in employment between the record high of 1953 with that for 1955 it is found that in spite of an increase of 9.9 p.c. in the value of shipments for the province as a whole, employment declined by 2.7 p.c. during the same period. The greatest decline in employment since 1953 was reported by the transportation equipment group with a drop of 28.7 p.c. This was followed by leather products with a drop of 9.3 p.c., clothing 5.2 p.c., textiles 3.7 p.c., wood products 3.0 p.c., iron and steel products 2.8 p.c., tobacco 1.6 p.c. and knitting mills 0.8 p.c. Nine groups on the other hand had more employees in 1955 than in 1953. Of these, non-metallic mineral products with an increase of 14.0 p.c. reported the greatest expansion in production. This was followed by paper products with an increase of 10.4 p.c., printing, publishing and allied trades 7.7 p.c., rubber goods 7.4 p.c., products of petroleum and coal 3.1 p.c., chemicals and allied products 2.8 p.c., foods and beverages 2.7 p.c., non-ferrous metal products 2.7 p.c., and miscellaneous industries 1.9 p.c. The electrical apparatus and supplies group reported no change.

Quebec has developed its \$5.9 billion manufacturing output with such leading industries as pulp and paper, non-ferrous metal-smelting and refining, petroleum products, slaughtering

and meat packing, cotton yarn and cloth, men's and women's clothing, tobacco, cigars and cigarettes, synthetic textiles and silk, railway-rolling stock, leather footwear and miscellaneous electrical apparatus. In common with the rest of Canada, Quebec experienced a great industrial expansion following the second World War. Nor was this expansion confined to the existing industrial areas, but spread to many towns and villages in the accessible areas of the province.

Quebec's leading industry is pulp and paper with an output of approximately \$561 million in 1955. Quebec is a principal world centre for the production of newsprint with 55 major pulp and paper plants concentrated in the Three Rivers and Shawinigan Falls districts as well as along the Saguenay, Ottawa, and St. Lawrence rivers. The production of non-ferrous metals has expanded considerably during the past decade. The output of aluminum has made impressive strides during the past years and reached a record total of 612,543 tons in 1955. After the end of the war, with the disappearance of the demands for defense, surplus productive capacity appeared. New civilian uses were found to take up the slack, so that by 1948 the industry was producing 75 p.c. of its peak wartime output. To this has been added the defense demands created by the Korean war and in 1952 the peak level of production attained in 1943 has again been reached. Quebec, with its new furniture factories, its new titanium smelter and its expanded aluminum-making facilities, is challenging Ontario's long established lead in a number of the wood and non-ferrous metal products industries.

There are several important factors which contributed to the great industrial development of the Province. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where seagoing vessels of heavy tonnage can dock. There is also an extensive highway system linking the small rural areas to the big industrial centres. Other significant factors include abundant forest resources, water power, minerals, agricultural lands and, of even more importance, an industrious and stable population.

Quebec ranks highest in available water-power resources, having more than 40 p.c. of the total recorded for all Canada. Its power development has been remarkable and its installation of 8,031,422 h.p. at the end of 1955 represents about 45 p.c. of the total for Canada. The St. Lawrence River Beauharnois development of 1,408,000 h.p. and the Saguenay River Shipshaw development of 1,200,000 h.p. were the two largest in the country up to 1955.

The completion of the *Sir Adam Beck-Niagara* Generating Station No. 2 on the Niagara River which raised the combined capacity of Stations Nos. 1 and 2 to 1,820,000 h.p. makes it the largest single installation in Canada.

Two of the most important industrial developments in Quebec today are the Ungava iron ore project and the new titanium industry. With the exploitation of the Ungava iron deposits on which it is believed, the future of the great steel industries of this Continent rests, Quebec's industrial base is being expanded to the point where the future industrial development of this Province is well assured.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position. Fifty years ago this industry had hardly come into existence in the Province and in the mid-1920's the annual gross value of production had not yet reached \$100,000,000. By the end of 1955 it accounted for about 9 p.c. of the gross value of Quebec's manufactures and for about 42 p.c. of the Canadian total for this industry. Other large Canadian industries in which Quebec predominates are tobacco, cigars and cigarettes 94.0 p.c. of the Canadian total; women's factory clothing 69.5 p.c.; cotton yarn and cloth

67.6 p.c. men's factory clothing 56.2 p.c., synthetic textiles and silk 53.0 p.c., miscellaneous electrical apparatus and supplies 48.6 p.c., miscellaneous chemical products 44.2 p.c., non-ferrous metal smelting and refining 43.6 p.c., pulp and paper 42.3 p.c., railway rolling stock 42.0 p.c., acids, alkalies and salts 39.3 p.c., brass and copper products 37.6 p.c., and petroleum products 35.0 p.c. Two medium-sized industries with Canada shipments of over \$100,000,000 also predominated in Quebec. These were: leather footwear with 58.2 p.c. and medicinal and pharmaceutical preparations 48.7 p.c.

Quebec also predominates in a large number of the smaller industries. The candle industry contributed 95.6 p.c. of the Canadian total; men's clothing contractors 94.4 p.c.; cotton thread 82.5 p.c.; women's clothing contractors 81.9 p.c.; children's clothing 79.5 p.c.; embroidery, hemstitching, etc. 77.7 p.c.; dyeing and finishing of textiles 77.6 p.c.; oilcloth, linoleum, etc. 73.5 p.c.; fur dressing and dyeing 71.9 p.c.; process cheese 71.2 p.c.; lasts, trees and shoe findings 70.4 p.c.; oiled and waterproofed clothing 70.4 p.c.; miscellaneous clothing 69.3 p.c.; narrow fabrics 69.1 p.c.; boot and shoe findings, leather 67.2 p.c.; artificial flowers and feathers 64.8 p.c.; corsets 58.4 p.c.; fur goods 58.0 p.c.; miscellaneous textiles 55.1 p.c.; asbestos products 51.4 p.c.; buttons 48.7 p.c. woollen cloth 47.4 p.c.; musical instruments 38.4 p.c.; etc.

TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1955

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Pulp and paper	55	27,082	111,707,145	228,491,407	288,688,818	560,899,722
2	Non-ferrous metal smelting and refining	11	11,640	47,836,458	343,383,403	152,533,164	528,494,241
3	Petroleum products	8	2,621	11,727,358	231,935,327	124,329,573	367,287,829
4	Slaughtering and meat packing	41	4,770	15,799,352	131,015,704	32,543,803	163,420,145
5	Miscellaneous electrical apparatus and supplies ...	39	12,026	43,672,331	73,693,585	81,459,477	157,856,059
6	Clothing, women's, factory	465	17,979	39,541,005	85,355,388	71,581,207	157,363,541
7	Cotton yarn and cloth	21	13,844	36,341,037	106,048,378	49,316,900	155,316,025
8	Tobacco, cigars, and cigarettes	27	6,938	23,497,830	80,164,825	73,405,757	152,658,093
9	Clothing, men's factory	326	16,559	35,480,192	80,596,107	60,441,736	140,851,120
10	Butter and cheese	636	5,238	12,776,415	99,403,748	25,026,033	126,595,144
11	Aircraft and parts	24	11,066	43,555,248	35,977,014	71,442,013	108,446,781
12	Railway rolling stock	8	11,545	38,866,755	58,366,801	42,962,501	103,324,447
13	Miscellaneous food preparations	82	2,717	7,882,774	67,364,371	31,963,154	100,504,224
14	Miscellaneous chemical products, n.e.s.	82	7,224	23,474,898	58,985,549	35,045,441	96,402,691
15	Furniture	593	10,689	27,484,134	42,130,720	43,653,389	86,853,873
16	Synthetic textiles and silk	33	10,429	29,632,672	41,430,055	41,856,787	84,443,585
17	Bread and other bakery products	947	10,233	24,089,317	40,155,485	39,836,957	82,778,934
18	Sawmills	1,575	8,710	15,253,546	49,701,657	30,917,364	81,381,163
19	Brass and copper products	38	2,727	9,799,133	58,610,903	21,342,012	81,300,006
20	Machinery, industrial	58	7,873	27,489,219	31,608,063	44,557,712	79,474,607
21	Footwear, leather	151	11,896	24,434,632	35,013,716	37,783,402	73,058,637
22	Acids, alkalies and salts	16	3,639	15,362,020	27,611,019	35,020,839	67,627,636
23	Boxes and bags, paper	61	4,876	13,190,510	41,175,316	25,199,342	66,700,213
24	Sheet metal products	88	5,013	17,152,521	33,560,793	32,690,477	65,384,524
25	Printing and publishing	83	7,027	25,111,290	18,771,387	46,097,753	65,308,222
26	Feeds, stock and poultry, prepared	262	1,818	4,435,976	51,151,794	11,150,238	63,063,453
27	Rubber goods, including footwear	32	6,745	19,697,454	24,780,045	35,055,289	59,800,237
28	Shipbuilding	11	7,291	23,961,643	22,390,193	35,512,476	58,502,238
29	Sash, door and planing mills	784	5,844	12,907,211	32,959,399	20,869,089	54,814,897
30	Printing and bookbinding	615	7,241	21,800,953	18,743,257	35,050,482	54,397,997
31	Breweries	4	2,428	10,017,588	15,401,426	37,035,911	53,669,936
32	Primary iron and steel	15	3,689	14,368,957	16,693,689	34,025,151	53,577,923
33	Medicinal and pharmaceutical preparations	93	3,691	11,921,189	16,410,747	35,987,320	52,641,448
34	Bridge and structural steel work	13	3,964	15,116,195	25,711,349	24,417,119	50,618,169
35	Telecommunication equipment	27	5,267	19,433,527	27,227,779	24,051,322	50,412,887
36	Distilled liquors	8	2,331	8,062,568	17,301,926	31,155,162	47,865,949
37	Carbonated beverages	185	2,761	7,624,976	13,653,179	32,362,278	47,031,620
38	Miscellaneous paper goods, n.e.s.	73	2,613	7,292,055	24,464,899	18,848,523	43,703,612
39	Clothing, children's, factory	127	5,485	10,242,119	22,468,613	16,845,793	39,606,109
40	Wire and wire goods	33	2,843	10,566,526	22,219,163	16,734,243	39,580,957
Totals, leading industries listed ¹		7,750	298,373	918,606,729	2,452,128,119	1,948,796,007	4,523,018,894
Totals, all industries		12,194	429,575	1,271,077,963	3,152,541,331	2,622,333,056	5,922,367,074
Percentage of leading industries to all industries ..		63.56	69.46	72.27	77.78	74.31	76.37

1. Sugar refining is also a leading industry. Statistics, however, are confidential.

SECTION 4. THE MANUFACTURES OF ONTARIO

The manufacturing industries of Ontario in 1955 reported \$9,617,642,961 as the selling value of factory shipments, an increase of 12.7 p.c. over the previous year. This is the highest on record and exceeded the previous high attained in 1953 by 8.3 p.c. Accompanying the increase in shipments was an increase of 2.5 p.c. in the number of employees which totalled 613,872 in 1955. Although the selling value of factory shipments in 1955 exceeded the previous high figure reported in 1953, the number of persons employed did not, however, reach the record number of 634,554 reported in 1953. This result conforms to the trend in recent years for employment to increase at a lower rate than volume of production. With the increase in automation and technological improvements this trend should continue even at a more accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 24.5 p.c. in the volume of production as compared with an increase of only 10.9 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no comparison can be made for Ontario. There is no doubt, however, that the volume of production in Ontario in 1955 was the highest on record even though the number of employees is still 20,682 below the record number employed in 1953.

As Ontario is a major producer of durable goods, such as transportation equipment, primary iron and steel, telecommunications equipment and heavy electrical machinery, it therefore experiences wider fluctuations in manufacturing production than provinces producing nondurable or consumer goods. As a result, the small downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 p.c. lower as compared with a drop of 1.3 p.c. for Canada as a whole, while in employment the drop in Ontario was 5.6 p.c. and for Canada it was 4.5 p.c. Conversely, with the improvement in 1955 Ontario reported an increase of 12.7 p.c. in factory shipments and 2.5 p.c. in employment. This compares with increases of 11.2 p.c. and 2.4 p.c. for Canada as a whole.

Establishments reporting in 1955 numbered 13,276. They furnished employment to 613,872 persons who were paid \$2,088,905,627 in salaries and wages, and spent \$5,014,225,423 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$4,426,654,771, while the selling value of factory shipments totalled \$9,617,642,961.

TABLE 10. Principal Statistics of the Forty Leading Industries, 1955

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Motor vehicles	9	32,491	131,049,092	626,514,547	264,274,618	897,044,382
2	Non-ferrous metal smelting and refining	9	10,595	43,368,237	256,783,209	213,573,805	492,930,068
3	Primary iron and steel	16	23,369	102,907,093	171,581,869	228,709,663	412,013,769
4	Pulp and paper	41	19,108	83,226,439	167,312,533	209,562,479	401,749,103
5	Slaughtering and meat packing	56	8,740	31,382,574	243,146,755	76,940,650	321,452,118
6	Petroleum products	14	5,456	23,840,217	183,614,354	111,638,401	305,587,774
7	Motor vehicle parts	108	18,813	70,811,811	144,231,441	124,702,990	274,068,620
8	Rubber goods, including footwear	42	15,106	53,895,965	112,162,510	151,674,057	262,157,593
9	Aircraft and parts	23	19,036	77,331,466	100,513,012	125,984,113	229,943,128
10	Telecommunication equipment	85	13,344	40,976,136	127,534,970	85,120,352	208,665,818
11	Machinery, heavy, electrical	47	20,357	75,623,014	66,635,308	110,935,543	180,540,736
12	Miscellaneous electrical apparatus and supplies	98	10,908	37,299,630	30,170,090	75,164,084	159,963,621
13	Fruit and vegetable preparations	201	10,804	26,427,874	92,750,395	64,907,714	153,580,451
14	Sheet metal products	190	11,314	40,096,857	81,284,310	70,490,712	153,471,849
15	Butter and cheese	461	7,466	22,316,516	107,002,656	39,896,128	150,103,668
16	Machinery, industrial	189	13,228	49,007,631	61,038,874	83,390,729	144,554,309
17	Printing and publishing	299	13,527	52,575,335	36,958,228	95,156,027	133,240,955
18	Furniture	712	15,088	43,767,813	61,194,442	68,760,514	132,115,815
19	Castings, iron	92	9,831	36,747,202	59,724,787	68,937,322	129,285,300
20	Brass and copper products	91	5,301	19,801,401	87,350,242	38,443,888	126,223,042
21	Bread and other bakery products	842	14,581	38,462,549	54,169,161	62,217,114	120,458,289
22	Printing and bookbinding	771	12,996	42,031,349	43,500,618	73,076,895	117,547,549
23	Miscellaneous food preparations	111	4,285	13,515,544	75,190,639	38,630,768	115,738,579
24	Boxes, and bags, paper	104	7,447	20,021,898	66,353,996	44,352,162	111,316,154
25	Miscellaneous chemical products, n.e.s.	130	4,839	18,437,653	47,714,441	55,605,926	109,049,859
26	Refrigerators, vacuum cleaners and appliances	56	7,655	24,618,410	51,260,785	49,340,027	108,659,268
27	Miscellaneous paper goods	119	6,735	21,645,026	58,685,127	46,560,822	103,580,913
28	Agricultural implements	31	10,839	39,447,957	55,355,001	50,109,735	105,238,706
29	Hardware, tools and cutlery	272	9,731	34,219,823	55,515,579	59,598,910	95,637,098
30	Breweries	21	3,293	14,488,568	20,417,659	72,616,224	94,470,237
31	Acids, alkalies and salts	21	4,455	17,876,310	30,991,574	52,176,835	92,645,255
32	Flour mills	45	2,016	6,389,800	75,743,399	14,556,486	90,998,121
33	Soaps, washing compounds and cleaning preparations	70	3,138	12,130,847	40,278,638	47,501,506	88,510,571
34	Tobacco processing and packing	10	1,612	3,428,168	75,926,144	8,488,102	84,649,307
35	Railway rolling stock	13	5,726	21,053,889	49,635,074	32,559,228	83,079,946
36	Feeds, stock and poultry, prepared	340	2,876	7,657,422	61,219,900	18,643,109	81,093,831
37	Heating and cooking apparatus	68	5,980	20,345,984	41,306,115	37,014,551	78,592,179
38	Wire and wire goods	69	5,591	20,871,107	39,233,512	37,859,066	76,563,195
39	Machinery, household, office and store	46	5,412	19,445,930	35,084,936	42,657,368	76,548,988
40	Clothing, men's factory	152	10,242	24,437,319	37,127,659	37,795,977	74,413,309
	Totals, leading industries	6,076	413,341	1,486,977,861	3,862,214,489	3,196,624,200	7,186,333,473
	Totals, all industries	13,276	613,872	2,088,905,627	5,014,225,423	4,426,654,771	9,617,642,961
	Percentage of leading industries to all industries ..	45.77	67.33	71.18	77.03	72.21	74.72

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the decisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable advantage of bordering on the St. Lawrence-Great Lakes water-way system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity. Many new industrial areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

Despite the great industrial progress made by other provinces, Ontario continued to maintain its predominance and in 1955 produced about 49 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments at Steep Rock Iron Mines. At Sarnia, huge investments have gone into the construction of new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber, synthetic textiles, and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, while chemical and synthetic textile plants have been rising in the vicinity of Sarnia and along the lower reaches of the St. Lawrence River between Cornwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the

manufacture of motor vehicles, motor vehicle parts, heavy electrical machinery, agricultural implements, machine tools, starch and glucose, bicycles and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1955, a substantial number of them were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1955 Canada totals are as follows: motor vehicles 98.9, motor vehicle parts 96.1, heavy electrical machinery 91.0, rubber goods 81.3, telecommunications equipment 79.2, primary iron and steel 78.4, iron castings 70.7, fruit and vegetable preparations 65.6, aircraft and parts 64.9, miscellaneous paper products 63.0, sheet metal products 59.6, printing and bookbinding 58.5, brass and copper products 58.3, industrial machinery 57.1, acids, alkalies and salts 53.8, boxes and bags, paper 52.1, furniture 50.5, miscellaneous chemical products 50.0, miscellaneous electrical apparatus 49.2 and printing and publishing 48.4.

There are also a number of medium-sized industries with a total Canadian production of over \$100,000,000 in which Ontario dominated. Agricultural implements with 92.4 p.c., soaps and washing compounds 88.4, refrigerators, vacuum cleaners, etc., 80.1, household and office machinery 73.9, hardware, tools and cutlery 71.6, heating and cooking apparatus 69.6 and confectionery 56.6 p.c. were in this category.

In addition Ontario dominated many of the smaller industries in 1955 as follows: machine tools 100.0, tobacco processing and packing 95.6, bicycles and parts 94.5, automobile accessories, fabric, 90.0, prepared breakfast foods 89.8, miscellaneous non-ferrous metal products 88.6, wine 87.3, leather tanneries 86.5, typewriter supplies 86.1, carpets, mats and rugs 84.1, artificial abrasives 82.1, wool yarn 79.3, cordage, rope and twine 77.0, sporting goods 76.7, scientific and professional equipment 75.7, white metal alloys 74.9, batteries 74.3, toys and games 72.2, jewellery and silverware 71.8, animal oils and fats 68.7, feed mills 67.2, boilers, tanks and plant work 66.4, aluminum products 66.0, knitted goods 51.6 and hosiery 45.0.

SECTION 5. THE MANUFACTURES OF THE PRAIRIE PROVINCES

The leading industries of the Prairie Provinces are those based on agricultural resources—grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor vehicles and power machinery on farms has given rise to petroleum refineries in each province. The greatly increased production of crude petroleum in Alberta seems likely to lead to further development of the refining industry. This industry which was in second place in 1955 has made tremendous strides in the Prairie Provinces since 1949. At that time it ranked third in importance, being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 15.8 p.c. in 1955. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water powers, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues to be played by agriculture, both oil and mineral wealth are being developed.

Considering the Prairie Provinces as an economic unit, slaughtering and meat packing had the largest value of factory shipments in 1955, amounting to \$255,845,172, followed closely by petroleum products with \$240,593,535, flour mills \$98,389,707, butter and cheese \$93,680,847 and railway rolling stock \$41,700,389. These five industries accounted for about 48 p.c. of the total value of factory shipments of the Prairie Provinces.

Other leading industries, in order of value of factory shipments and with shipments of \$10,000,000 or more were: non-ferrous metal smelting and refining; bread and other bakery products; printing and publishing; breweries; sash, door and planing mills; sawmills; miscellaneous food preparations; men's factory clothing; bridge and structural steel; furniture; sheet metal products; concrete products; prepared stock and poultry feeds; printing and bookbinding; pulp and paper; sugar refining; paper boxes and bags; carbonated beverages; women's factory clothing; hydraulic cement; primary plastics; and primary iron and steel.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1955 power installation in the three Provinces totalled only 1,191,845 h.p. or about 7 p.c. of the Canadian total. Manitoba had 796,900 h.p., Saskatchewan 109,835 h.p. and Alberta 285,110 h.p. With the present developments of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development. Manitoba has more water-power resources and has developed them to a greater extent than either of the other Prairie Provinces. Practically all the developed sites are located on the Winnipeg River. These supply not only Winnipeg and its suburban areas but, also more than 400 municipalities and a large part of rural areas of southern Manitoba where farm electrification is a primary objective. In Saskatchewan, water-power development is confined to the northern mining districts. The southern portions of Saskatchewan and Alberta are lacking in water-power resources but have fuel reserves. In Alberta, present developments are located in the Bow River basin and serve Calgary and numerous other municipalities between the International Boundary and the area north of Edmonton.

In the Prairie Provinces, the nature of developments vary from one province to another. Alberta has moved to the forefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth, they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture of other new inorganic products like caustic soda and chlorine. Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines. The largest gains, for instance, have been recorded in food processing. The manufacture of building materials, including non-metallic mineral products and lumber, has also increased. However, the largest single gain in employment has been in the refining of prairie oil for local use.

Although Manitoba experienced a great development in manufacturing production since 1939, it did not, percentagewise keep pace with the other two Prairie Provinces. Since 1946, however, the development was on a wide front. The increase in the number of persons employed totalled 2,951. The largest

increase of 1,256 was reported by the iron and steel group. The clothing industries with 1,231 reported the second largest increase, while the printing, publishing and allied industries reported an increase of 655. This was followed by products of petroleum and coal with 374, non-metallic mineral products 344, electrical apparatus and supplies 306, miscellaneous industries 293, paper products 285, wood products 225, etc. Only three groups reported declines in employment: foods and beverages 1,839, knitting mills 152 and transportation equipment 135. The food and beverages group which in 1946 accounted for 30 p.c. of the employment in manufacturing, accounted for only 23 p.c. of the total in 1955. The food and beverages group with 9,693 employees was still in first place in 1955 as an employer of labour. This was followed by transportation equipment with 6,184, clothing 5,800, iron and steel products 4,937, printing, publishing and allied industries 3,725 and wood products 3,132. These six industries accounted for 81 p.c. of the manufacturing employment in Manitoba.

According to Table 1 below, manufacturing establishments reporting in 1955 numbered 4,635 for the Prairie Provinces as a whole. These plants furnished employment to 87,654 persons who received \$263,092,899 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,524,661,353 and spent \$869,800,319 for materials, while the value added by manufacture totalled \$624,379,431.

Principal Statistics of the Prairie Provinces, 1955

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$'000	\$'000	\$'000	\$'000
Manitoba.....	1,549	41,318	121,719	329,699	247,472	588,351
Saskatchewan	960	11,490	34,826	174,079	113,599	295,162
Alberta	2,126	34,846	106,549	366,023	263,309	641,148
Total.....	4,635	87,654	263,094	869,801	624,380	1,524,661

In spite of the rapid development in the Prairie Provinces since 1939, manufacturing production did not keep pace with the developments in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by the slight drop in the Prairie Provinces' share of the Canadian total from 8.13 p.c. in 1939 to 7.91 p.c. in 1953. In 1954 conditions were reversed. The Prairie Provinces reported an increase of 1.4 p.c. in the value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. As a result of this the Prairie Provinces' share of the Canadian total was again 8.13 p.c., the same as in 1939. In 1955, however, the situation deteriorated again with the percentage of the total dropping to 7.81. Although the increase of 11.5 p.c. in the value of factory

shipments for Alberta was slightly higher than the 11.2 p.c. increase for Canada as a whole, the failure of Manitoba and Saskatchewan to keep pace with the general expansion resulted in an increase of factory shipments of only 6.8 p.c. for the Prairie Provinces as compared with 11.2 p.c. for Canada.

According to the table below, Manitoba and Saskatchewan did not keep pace with manufacturing developments in Canada as a whole. Alberta on the other hand fared much better. Compared with 1939 employment increased by 174 p.c. and the value of factory shipments by 633 p.c. This compares with increases for Canada as a whole of 97 p.c. and 462 p.c. respectively.

Variation in Employment and Factory Shipments, 1955 Compared with 1939

Province	Employees	Earnings	Selling value of factory shipments
	p.c.	p.c.	p.c.
Manitoba.....	+ 73	+ 328	+ 338
Saskatchewan	+ 77	+ 374	+ 387
Alberta	+ 174	+ 611	+ 633
Prairie Provinces	+ 103	+ 418	+ 440
Canada	+ 97	+ 461	+ 462

TABLE 11. Principal Statistics of the Leading Industries of Manitoba, 1955

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Slaughtering and meat packing	12	3,086	11,167,353	74,765,409	23,355,502	98,777,029
2	Petroleum products	4	559	2,202,272	25,303,618	13,711,135	40,235,459
3	Butter and cheese	69	1,289	3,607,075	21,448,747	6,589,501	28,510,065
4	Railway rolling stock	4	4,512	14,603,629	13,258,120	14,398,580	28,149,876
5	Flour mills	7	569	1,606,149	21,098,858	3,264,146	24,516,430
6	Clothing, men's, factory	49	2,714	5,239,070	12,776,639	7,885,503	20,568,831
7	Miscellaneous food preparations	24	597	1,903,509	13,474,175	4,947,237	19,165,052
8	Furniture	134	1,760	4,570,788	9,136,730	7,392,043	16,693,786
9	Pulp and paper	3	526	2,201,874	4,352,491	10,365,042	15,869,633
10	Printing and publishing	78	1,890	5,650,480	4,607,118	10,935,502	15,694,108
11	Bread and other bakery products	141	1,670	4,500,251	6,348,857	7,632,665	14,483,055
12	Clothing, women's factory	27	1,648	3,752,564	7,437,013	5,244,638	12,719,630
13	Breweries	6	560	2,261,594	1,996,040	9,548,406	11,754,695
14	Printing and bookbinding	79	1,246	3,824,148	3,199,067	6,467,990	9,743,811
15	Sheet metal products	21	890	2,951,729	5,054,125	4,187,868	9,582,763
16	Boxes and bags, paper	9	607	1,826,140	5,243,647	3,373,362	8,715,530
17	Feeds, stock and poultry, prepared	35	227	590,391	5,918,740	1,400,427	7,449,509
18	Miscellaneous iron and steel products	11	603	2,182,303	2,756,555	3,372,254	6,222,685
19	Bags, cotton and jute	4	206	573,132	4,647,304	891,525	5,575,614
20	Carbonated beverages	22	379	1,048,819	2,155,949	3,221,769	5,538,802
21	Sash, door and planing mills	33	592	1,587,055	2,679,109	2,290,951	5,062,055
22	Other leading industries ¹	9	3,525	13,167,058	22,325,841	35,566,507	60,665,820
	Totals, leading industries	781	29,655	91,017,383	269,984,152	186,042,553	465,694,238
	Totals, all industries	1,549	41,318	121,718,573	329,698,765	247,472,108	588,351,081
	Percentage of leading industries to all industries..	50.42	71.77	74.78	81.89	75.18	79.15

1. Includes: Aircraft and parts, Bridge and structural steel work, Cement, hydraulic, Gypsum products, Non-ferrous metal smelting and refining and Primary iron and steel.

TABLE 12. Principal Statistics of the Leading Industries of Saskatchewan, 1955

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Petroleum products	10	1,194	4,941,003	51,666,324	29,567,048	84,368,378
2	Flour mills	9	759	2,516,654	34,784,680	7,769,089	42,919,439
3	Slaughtering and meat packing	9	1,067	3,745,614	21,397,228	8,685,543	30,440,467
4	Butter and cheese	58	1,262	3,393,044	21,040,805	6,932,706	28,277,847
5	Bread and other bakery products	100	1,102	2,972,894	4,363,711	5,319,637	9,994,720
6	Breweries	5	361	1,386,473	1,946,634	7,443,197	9,528,164
7	Printing and publishing	98	1,181	3,419,958	2,087,633	5,915,936	8,125,377
8	Sash, door and planing mills	33	440	1,198,838	2,768,332	1,948,040	4,819,953
9	Sawmills	303	727	1,016,240	1,747,213	2,493,115	4,339,875
10	Carbonated beverages	24	265	643,141	1,452,193	2,002,287	3,632,967
11	Sheet metal products	7	256	815,809	2,035,136	1,548,348	3,514,423
12	Feeds, stock and poultry, prepared	10	75	217,722	1,726,025	673,218	2,246,456
	Totals, leading industries listed above ¹	666	8,689	26,267,390	147,015,914	80,298,164	232,208,066
	Totals, all industries	960	11,490	34,823,511	174,078,701	113,598,622	295,162,037

1. Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

TABLE 13. Principal Statistics of the Leading Industries of Alberta, 1955

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Slaughtering and meat packing	15	3,812	13,203,518	100,556,076	25,503,904	126,627,676
2	Petroleum products	18	1,803	7,327,419	65,810,758	47,008,996	115,989,698
3	Butter and cheese	100	1,883	5,065,208	27,929,126	8,529,705	36,892,935
4	Flour mills	11	772	2,104,729	26,112,119	4,427,599	30,953,838
5	Sawmills	761	3,007	5,335,850	10,284,325	12,873,546	23,853,097
6	Sash, door and planing mills	122	1,843	4,970,922	13,455,437	8,309,832	22,086,702
7	Bread and other bakery products	140	1,872	5,015,245	7,234,534	9,029,352	16,668,022
8	Breweries	6	516	1,917,391	3,001,716	10,739,333	13,893,013
9	Railway rolling stock	3	1,911	6,053,983	7,290,727	6,053,983	13,550,513
10	Concrete products	39	895	2,972,769	6,672,879	6,905,834	13,191,008
11	Printing and publishing	80	1,296	3,990,763	3,440,054	9,280,799	12,816,143
12	Bridge and structural steel work	4	690	2,665,443	5,114,721	5,830,571	10,991,597
13	Acids, alkalies and salts	3	375	1,891,258	2,216,018	5,472,148	8,760,740
14	Miscellaneous food preparations	13	280	775,192	4,884,292	3,237,127	8,349,820
15	Feeds, stock and poultry, prepared	46	265	729,103	5,800,000	1,776,159	7,740,064
16	Clothing, men's, factory	9	688	1,473,358	2,945,899	3,826,376	6,851,528
17	Sheet metal products	13	474	1,559,717	3,351,355	3,097,444	6,363,485
18	Printing and bookbinding	81	872	2,696,423	1,826,013	4,091,343	5,981,900
19	Machine shops	68	745	2,669,736	1,797,817	3,950,421	5,874,698
20	All other leading industries ¹	8	2,090	8,493,082	20,390,217	29,836,182	52,165,242
	Totals, leading industries	1,540	26,089	80,911,109	320,114,083	209,780,654	539,601,719
	Totals, all industries	2,126	34,846	106,548,815	366,022,853	263,308,701	641,148,235
	Percentage of leading industries to all industries..	72.44	74.87	75.94	87.46	79.67	84.16

1. Includes: Cement, hydraulic; fertilizers; non-ferrous metal smelting and refining; primary plastics; sugar refining.

SECTION 6. THE MANUFACTURES OF BRITISH COLUMBIA

British Columbia, with factory shipments valued at \$1,679,344,816, ranked third among the provinces in manufacturing production. In spite of the rapid industrialization of other provinces, British Columbia succeeded in increasing its share of the total Canadian output. This is reflected in the increase in the total from 7.1 p.c. in 1939 to 8.6 p.c. in 1955.

Forest resources, fisheries, minerals and electric power have given a broad base and wide diversification to its industrial development. While Ontario and Quebec have an outstanding predominance in each of the major industrial groups of the Standard Industrial Classification, in the production of wood products, however, British Columbia with 43 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 24 and 21 p.c. of the total.

Emphasizing the importance of the forest in the industrial life of the Province, the sawmilling industry ranked first with a gross value of factory shipments of \$414,944,542, and pulp and paper second with \$169,370,459. Third in importance was the petroleum products industry with factory shipments valued at \$101,985,120. This industry received a great impetus in the completion of the Trans-Mountain oil pipeline. In 1953, with

shipments valued at \$40,562,462 it ranked seventh, and contributed about 3 p.c. to the total value of factory shipments of the Province. In 1954 it assumed third place with the proportion of the total increasing to 5.5 p.c., with a further increase to 6.1 p.c. in 1955. In sixth place was fish processing, based principally on the estuarial salmon fisheries. This industry was in third place in 1953. British Columbia accounted for approximately 41 p.c. of the output of the fish processing industry in 1955 and plays a large part in making Canada the largest fish exporting nation in the world. Other important industries are: sash, door and planing mills, veneers and plywoods, slaughtering and meat packing, miscellaneous food preparations, fertilizers, shipbuilding, butter and cheese, fruit and vegetable preparations, etc. The non-ferrous metal smelting and refining industry also ranks high among the leading industries. Information, however, cannot be published as there are less than three smelters located in the province.

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres. Growing lines of communication and transportation are fanning out from and leading into formerly locked interior communities to tap a vast new potential and offer new sources of provincial economic unity and strength. Factories

and plants in remote sections are drawing greater value in employment and dollars from natural resources. The growth of the province industrially may be indicated by the increase in employment which is two and one-half times the pre-war figure. In dollar terms, gross value of manufacturing is also up more than sixfold since 1939. The consumption of 5.2 billion kwh of electric power by manufacturers during 1955 marks a steady upward climb of 150 per cent in the past decade.

British Columbia ranks second among the provinces in available water-power resources and its hydraulic development which at the end of 1955 totalled 2,439,508 h.p., out of a Canadian total of 17,735,221 h.p., is exceeded only by Quebec and Ontario. Present developments are practically all located in the southern part of the province in the Fraser and Columbia River Basins. The Aluminum Co. of Canada is making excellent progress in its great Kemano-Kitimat scheme, involving diversion of the head-waters of the Fraser River through the coastal range by a ten-mile tunnel to an underground powerhouse. The highlight of hydro-electric construction in 1955 was the completion of the first stage of this project. The first four turbines, each of 150,000 h.p. were brought into operation. A fifth unit of 150,000 h.p. is scheduled for completion in 1957, and the ultimate capacity is expected to be about 2,000,000 h.p. This power will be used in the production of aluminum which is a new product for British Columbia. Present capacity of the

smelter is 90,000 tons of aluminum per annum, with a potential of 550,000 tons, a production which will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1955 numbered 4,486. These plants furnished employment to 102,408 persons who received \$353,810,727 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,679,344,816 and spent \$895,973,668 for materials, while the value added by manufacture totalled \$750,877,508.

The manufacturing industries of British Columbia expanded during 1954, at a time when the rest of Canada experienced a minor recession. For Canada as a whole there was a drop of 4.5 p.c. in the number of employees and 1.3 p.c. in the value of shipments. British Columbia was the only province in 1954 reporting increased employment, the increase being 2.2 p.c. Although British Columbia was not the only province to report increased shipments, the increase of 7.9 p.c. was, however, the highest of any province. In common with other provinces, manufacturing in British Columbia continued to expand during 1955. Of all provinces British Columbia reported the greatest increase in employment and value of factory shipments. Employees were 6.8 p.c. higher as compared with an increase of only 2.4 p.c. for Canada, while the value of factory shipments were 13.9 p.c. higher for British Columbia and 11.2 p.c. for Canada as a whole.

TABLE 14. Principal Statistics of the Leading Industries of British Columbia, 1955

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Sawmills	1,875	31,316	103,743,623	212,624,169	196,773,735	414,944,542
2	Pulp and paper	12	6,651	31,632,621	68,910,308	92,139,670	169,370,459
3	Petroleum products	4	1,165	5,396,040	62,798,044	36,676,504	101,985,120
4	Sash, door and planing mills	219	3,632	11,509,030	49,629,951	22,293,670	72,655,254
5	Veneers and plywoods	14	5,398	18,684,125	32,112,195	37,200,046	70,059,477
6	Fish processing	72	3,415	9,793,365	40,705,672	24,108,389	65,644,446
7	Slaughtering and meat packing	10	1,478	5,575,050	42,375,624	7,889,450	50,561,130
8	Miscellaneous food preparations	42	869	2,384,593	35,440,293	5,965,684	41,782,663
9	Fertilizers	5	1,282	5,458,905	12,863,425	25,854,659	41,037,355
10	Shipbuilding	24	3,664	14,250,207	10,065,511	24,066,422	34,452,724
11	Butter and cheese	30	1,943	6,402,030	20,539,468	9,343,185	30,877,088
12	Fruit and vegetable preparations	68	2,300	5,005,066	19,514,743	11,994,349	29,469,134
13	Printing and publishing	91	3,107	11,731,004	6,478,251	20,357,648	27,051,083
14	Bread and other bakery products	282	2,868	8,274,354	11,440,544	12,692,703	24,904,461
15	Sheet metal products	30	963	3,710,602	11,724,091	8,208,770	19,870,960
16	Bridge and structural steel work	4	1,342	5,593,685	11,213,127	8,288,781	19,747,383
17	Machinery, industrial	42	1,690	6,567,786	6,068,134	13,112,542	19,037,735
18	Furniture	218	1,970	5,712,157	8,815,112	8,518,311	17,512,239
19	Boxes and bags, paper	17	1,022	3,143,451	10,380,756	6,689,737	17,143,428
20	Feeds, stock and poultry, prepared	38	771	2,311,444	11,894,635	3,531,964	16,235,334
21	Breweries	9	652	2,499,295	3,272,750	11,967,311	15,412,921
22	Miscellaneous paper goods	13	696	2,151,537	9,125,735	4,563,093	13,751,656
Totals, leading industries listed above ¹		3,119	78,194	271,529,970	697,992,538	592,236,623	1,313,506,592
Totals, all industries		4,486	102,408	353,810,727	895,973,668	750,877,508	1,679,344,816

1. Other leading industries for which statistics cannot be shown since there are less than three establishments in each industry are: Non-ferrous metal smelting and refining; Sugar refining and Distilled liquors.

SECTION 7. MANUFACTURING INDUSTRIES IN URBAN CENTRES

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 15, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion contributed by cities and towns having factory shipments of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1955 accounted for 79 p.c. and 93 p.c. respectively of the totals for those provinces, while for the Atlantic Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the propor-

tions are 70 p.c. and 54 p.c. respectively. In the Prairie Provinces manufacturing is confined to a few urban centres.

During the past few years there has been a noticeable trend for manufacturing plants to locate in rural areas adjacent to incorporated cities and towns. This trend is revealed by a study of the percentages in the table below during the past few years. In 1955 for Canada as a whole 80.5 p.c. of the shipments were made by cities and towns with factory shipments of \$1,000,000 and over, as compared with 86.9 p.c. in 1953. Toronto is a good case in point. In 1953 Toronto accounted for 72.0 p.c. of the total shipments of York County and the rural areas for 12.2 p.c. while in 1955 Toronto's share dropped to 63.0 p.c. with the rural areas increasing to 21.2 p.c. The same trend is apparent in other manufacturing centres. This accounts for the changes that have taken place during the past few years in some of the provinces and for Canada as a whole.

TABLE 15. Cities and Towns Each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1955

Note. Statistics published in this table are in some cases higher than the figures published in Table 18, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 18 without disclosing the operations of individual establishments.

Province	Number of urban centres with selling value of factory shipments of over \$1,000,000	Number of establishments reporting in urban centres with selling value of factory shipments of over \$1,000,000	Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments of urban centres as a percentage of shipments in each province
	No.	No.	\$	\$	%
Newfoundland	5	133	75,356,756	115,579,036	65.2
Prince Edward Island	3	63	16,793,172	23,628,831	71.1
Nova Scotia	27	540	218,303,765	331,129,690	65.9
New Brunswick	16	341	221,894,460	294,829,050	75.3
Quebec	175	8,210	5,508,352,309	5,922,367,074	93.0
Ontario	181	9,310	7,604,952,979	9,617,642,961	79.1
Manitoba	13	1,128	488,164,813	588,351,081	83.0
Saskatchewan	9	422	232,483,059	295,162,037	78.8
Alberta	17	1,016	426,500,348	641,148,235	66.5
British Columbia	36	2,455	911,907,151	1,679,344,816	54.3
Yukon and Northwest Territories	—	—	—	4,751,000	—
Canada, 1955	482	23,618	15,704,708,812	19,513,933,811	80.5
Canada, 1954	472	23,869	15,045,342,071	17,554,527,504	85.8
Canada, 1953	471	23,652	15,393,546,062	17,785,416,854	86.9

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-55

City and Year	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
	No.	No.	\$	\$	\$
Montreal:					
1939	2,501	105,315	114,602,118	254,188,246	483,246,583
1944	3,109	185,708	308,396,358	650,618,563	1,215,988,014
1948	3,887	180,098	368,191,470	841,048,938	1,550,246,090
1949	4,136	184,779	399,943,526	847,444,669	1,596,713,694
1950	4,127	184,982	419,217,987	914,907,200	1,696,677,033
1951	4,137	183,436	449,279,943	1,026,220,450	1,849,153,995
1952	4,283	187,396	496,270,442	1,041,585,029	1,960,826,915 ²
1953	4,398	193,129	544,284,191	1,067,911,378	2,042,662,785 ²
1954	4,415	184,684	539,119,575	1,050,160,663	1,987,217,589 ²
1955	4,379	176,998	529,339,811	1,021,717,306	1,963,367,235 ²

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-55 - Concluded

City and Year	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
	No.	No.	\$	\$	\$
Toronto:					
1939	2,885	98,702	122,553,435	240,532,281	482,532,331
1944	3,344	154,538	260,776,613	513,429,109	1,020,345,353
1948	3,683	154,197	335,142,822	804,970,396	1,475,761,819
1949	4,005	158,562	368,510,524	837,148,440	1,579,186,450
1950	4,011	160,063	392,754,292	918,699,592	1,686,922,991
1951	3,796	151,333	415,206,705	991,268,163	1,763,192,114
1952	3,825	149,020	439,286,411	945,304,350	1,790,369,192 ²
1953	3,781	154,251	478,086,271	980,873,073	1,875,747,249 ²
1954	3,728	145,792	470,046,860	945,614,031	1,810,860,959 ²
1955	3,497	134,235	448,775,761	916,493,539	1,732,099,123 ²
Hamilton:					
1939	461	31,512	39,563,423	70,829,034	152,746,340
1944	480	53,500	94,982,915	171,117,467	363,033,672
1948	526	53,370	124,016,143	259,800,537	519,132,345
1949	546	54,665	137,641,333	285,180,403	563,982,920
1950	549	54,823	145,093,180	310,380,224	625,480,893
1951	560	58,841	174,296,725	391,412,980	755,546,928
1952	575	59,257	190,167,980	385,701,709	781,596,810 ²
1953	566	60,451	201,515,979	385,515,852	824,407,315 ²
1954	580	54,199	189,099,943	341,555,746	752,353,730 ²
1955	588	55,202	200,311,361	395,047,070	844,835,085 ²
Windsor:					
1939	222	17,729	25,938,890	63,907,106	122,474,320
1944	231	35,912	80,667,573	232,102,240	387,603,874
1948	271	32,729	85,354,165	231,706,777	413,749,890
1949	283	34,591	94,304,627	271,392,923	494,162,203
1950	280	34,901	105,778,494	311,563,422	564,870,512
1951	297	34,865	112,076,215	351,697,300	626,292,546
1952	330	36,628	130,027,457	377,637,512	646,949,316 ²
1953	338	37,514	140,481,193	402,209,586	682,273,319 ²
1954	353	30,210	112,816,841	263,143,564	474,634,211 ²
1955	334	25,654	101,810,378	186,275,443	374,512,418 ²
Winnipeg:					
1939	648	17,571	20,717,273	44,873,043	81,024,272
1944	686	25,870	38,824,299	119,917,745	198,169,626
1948	765	27,906	54,379,965	157,379,778	264,022,796
1949	860	28,687	58,604,162	143,827,270	255,006,806
1950	855	27,804	58,991,267	142,486,939	261,781,262
1951	849	27,704	65,741,785	167,583,852	292,496,787
1952	843	28,162	70,744,396	160,844,930	296,263,701 ²
1953	860	28,230	76,008,218	156,860,845	300,186,774 ²
1954	864	26,887	74,628,593	150,352,336	288,602,394 ²
1955	873	26,392	75,281,647	152,575,494	291,084,611 ²
Vancouver:					
1939	829	17,957	22,382,192	56,565,511	101,267,243
1944	933	43,473	79,141,407	142,416,371	289,390,718
1948	1,136	33,815	75,300,519	211,726,521	360,749,092
1949	1,225	33,536	78,793,345	204,642,985	358,620,526
1950	1,219	34,411	85,542,771	234,053,078	409,347,342
1951	1,255	34,376	96,222,111	270,748,863	461,594,390
1952	1,275	33,296	102,163,999	248,964,894	437,683,057 ²
1953	1,316	33,822	108,896,725	255,906,780	448,591,543 ²
1954	1,335	33,916	114,114,199	273,058,336	486,913,181 ²
1955	1,330	34,683	120,488,180	276,666,483	489,181,449 ²

1. Net value is derived from gross value by deducting cost of materials, fuel and electricity. For cost of fuel and electricity in 1955 see Table 18.
 2. Since 1952 the basis of collection was "Selling Value of Factory Shipments" instead of "Gross Value of Products".

TABLE 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, Grouped According to the Number of Employees per Establishment, 1955

Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Montreal Metropolitan Area:						
Under 5 employees	1,434	3,440	7,497,444	423,679	20,360,597	36,237,987
5 to 14 employees	1,462	12,438	31,065,926	1,332,499	75,681,621	136,222,898
15 " 49 "	1,305	35,341	89,624,378	3,688,549	198,408,757	374,348,869
50 " 99 "	421	29,210	76,126,695	3,353,643	166,471,889	317,344,068
100 " 199 "	211	29,314	81,322,943	3,623,818	196,079,751	365,398,326
200 " 499 "	121	37,102	113,161,071	9,954,336	308,046,254	583,932,622
500 " 999 "	47	31,151	109,266,052	17,093,935	426,787,308	649,313,235
1,000 " 1,499 "	13	15,174	56,104,212	4,356,871	119,076,673	228,972,406
1,500 and over	12	39,644	148,837,197	3,223,954	296,319,920	638,805,459
Not classifiable	121	—	—	—	882,049	1,038,873
Head Offices ¹	—	7,474	37,380,036	—	—	—
Totals	5,147	240,288	750,385,954	47,061,284	1,808,114,819	3,331,614,743
Toronto Metropolitan Area:						
Under 5 employees	1,253	2,961	6,496,126	477,521	12,030,838	24,633,041
5 to 14 employees	1,387	11,992	33,608,826	1,522,351	61,832,421	123,274,265
15 " 49 "	1,172	31,640	94,551,596	3,859,023	199,215,767	376,773,139
50 " 99 "	356	24,675	76,119,008	4,047,173	185,850,895	348,716,717
100 " 199 "	207	29,077	94,877,141	4,744,698	220,848,649	424,078,669
200 " 499 "	117	36,845	127,153,361	6,853,853	247,212,645	517,562,569
500 " 999 "	33	21,979	80,445,616	3,384,465	116,797,237	258,527,392
1,000 " 1,499 "	14	17,144	66,605,453	2,507,220	158,614,222	281,013,199
1,500 and over	8	19,218	73,996,625	3,017,309	189,018,322	360,040,503
Not classifiable	138	—	—	—	1,092,946	1,431,273
Head Offices ¹	—	4,821	25,242,745	—	—	—
Totals	4,685	200,352	679,096,497	30,413,613	1,382,513,942	2,716,050,767
Hamilton Metropolitan Area:						
Under 5 employees	223	519	1,067,243	98,249	1,924,679	3,922,790
5 to 14 employees	189	1,628	4,355,283	320,722	7,018,701	15,058,201
15 " 49 "	126	3,448	11,100,448	921,088	21,547,509	44,903,323
50 " 99 "	59	4,121	13,251,505	927,331	39,925,923	71,961,481
100 " 199 "	39	5,641	16,809,976	842,595	48,764,152	85,607,443
200 " 499 "	39	12,293	41,662,100	3,824,608	97,529,005	198,906,530
500 " 999 "	8	6,030	22,281,622	1,579,779	45,759,346	80,096,092
1,000 " 1,499 "	2	24,408	98,182,809	17,025,818	152,601,104	382,147,004
1,500 and over	5	—	—	—	—	—
Not classifiable	10	—	—	—	76,547	78,220
Head Offices ¹	—	249	810,009	—	—	—
Totals	700	58,337	209,520,995	25,540,191	415,146,966	882,681,084
Windsor Metropolitan Area:						
Under 5 employees	133	283	634,179	54,804	856,906	2,090,615
5 to 14 employees	99	810	2,272,779	166,698	4,278,504	9,169,593
15 " 49 "	71	1,881	6,345,540	510,379	10,442,528	23,628,940
50 " 99 "	28	1,973	6,990,860	369,860	13,660,694	29,874,088
100 " 199 "	19	2,642	9,487,499	878,370	21,254,221	39,750,086
200 " 499 "	19	5,814	22,701,845	2,142,713	40,921,702	98,336,782
500 " 999 "	7	23,082	95,996,158	3,664,857	246,994,811	414,419,438
1,500 and over	2	—	—	—	—	—
Not classifiable	9	—	—	—	25,735	31,816
Head Offices ¹	—	43	208,962	—	—	—
Totals	387	36,528	144,637,822	7,787,681	338,435,101	617,299,358
Winnipeg Metropolitan Area:						
Under 5 employees	337	780	1,557,418	112,460	2,794,265	5,775,514
5 to 14 employees	271	2,275	5,553,507	382,196	13,847,352	24,383,166
15 " 49 "	206	5,576	15,029,937	872,403	36,465,823	65,195,838
50 " 99 "	96	6,608	18,229,783	1,026,960	42,013,144	79,638,544
100 " 199 "	48	6,918	20,257,742	2,422,844	76,080,113	129,778,763
200 " 499 "	15	4,227	13,807,948	2,093,816	24,675,651	49,616,835
500 " 999 "	4	2,673	9,417,276	354,549	45,303,971	67,741,298
1,000 " 1,499 "	3	6,636	21,757,149	770,550	45,547,875	74,908,120
1,500 and over	2	—	—	—	—	—
Not classifiable	56	—	—	—	201,033	216,856
Head Offices ¹	—	205	828,429	—	—	—
Totals	1,038	35,898	106,439,189	8,085,778	286,929,227	497,254,934
Vancouver Metropolitan Area:						
Under 5 employees	600	1,415	2,982,093	229,944	5,353,481	11,106,878
5 to 14 employees	541	4,508	12,847,316	775,471	24,882,511	48,160,142
15 " 49 "	349	9,371	30,109,003	1,825,282	75,368,140	134,681,717
50 " 99 "	107	7,391	25,723,219	1,368,957	58,316,956	104,515,489
100 " 199 "	66	9,301	32,863,769	2,467,999	104,658,021	182,839,928
200 " 499 "	30	9,573	35,339,325	2,864,660	122,487,867	203,234,972
500 " 999 "	9	6,731	25,315,428	1,250,141	53,136,252	105,173,516
1,000 " 1,499 "	3	3,387	12,243,328	200,559	13,970,340	39,949,840
1,500 and over	57	—	—	—	285,818	356,897
Not classifiable	—	1,435	8,191,456	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	1,762	53,112	185,614,937	10,983,013	458,559,366	830,019,379

1. Under this heading are included only those head offices which are not located at the plant.

TABLE 18. Statistics of Manufactures by Municipality, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1955

Note. Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total Value of Shipments.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Newfoundland:						
Harbour Grace	9	329	614,847	47,463	1,263,225	3,221,920
St. John's	104	2,228	5,777,609	531,462	10,882,053	24,230,079
Prince Edward Island:						
Charlottetown	34	646	1,547,246	166,956	6,942,079	10,302,264
Souris	8	183	288,064	53,481	1,018,094	1,662,900
Summerside	21	289	543,759	66,548	3,540,075	4,828,008
Nova Scotia:						
Amherst	24	1,248	3,182,627	289,572	4,691,360	10,802,773
Berwick	10	232	439,104	73,784	2,082,754	3,000,046
Bridgetown	8	165	312,863	32,420	573,103	1,267,267
Clark's Harbour	8	102	151,917	15,523	959,378	1,328,788
Dartmouth	18	222	527,149	58,892	829,632	2,202,965
Digby	7	110	199,735	16,017	823,755	1,283,859
Glace Bay	19	269	502,921	77,011	1,196,154	2,010,435
Halifax	149	6,260	17,195,401	1,036,587	30,415,702	63,779,266
Hantsport	5	373	830,391	154,662	2,079,744	4,504,850
Kentville	11	160	341,194	42,775	513,494	1,398,881
Liverpool	22	445	819,623	101,960	1,838,588	3,834,565
Lockeport	3	244	445,216	38,535	979,557	1,804,839
Louisburg	4	306	610,256	63,722	916,688	2,498,319
Lunenburg	17	703	1,695,748	103,960	3,968,136	6,998,037
Mahone Bay	9	162	322,855	19,633	623,652	1,426,413
Middleton	8	163	255,603	50,734	896,527	1,557,980
New Glasgow	28	721	1,898,985	335,141	3,180,786	6,471,992
North Sydney	13	301	841,112	51,202	1,400,227	2,219,949
Sheburne	17	185	367,921	24,546	799,558	1,391,385
Stellarton	12	129	232,310	22,004	758,546	1,167,826
Sydney	42	5,010	17,881,991	3,312,098	30,144,108	62,517,530
Trenton	8	946	2,918,040	436,453	8,116,485	13,319,978
Truro	43	943	1,777,778	165,008	4,025,106	7,608,240
Windsor	13	277	538,475	53,048	1,962,897	2,670,849
Yarmouth	30	690	1,379,583	136,046	3,718,080	6,556,728
New Brunswick:						
Campbellton	13	139	334,120	52,384	588,377	1,385,481
Fredericton	39	886	1,908,823	148,892	3,780,802	7,379,607
Grand Falls	17	109	203,809	45,376	661,849	1,190,128
Lancaster	8	508	1,368,570	101,111	2,706,489	7,557,100
Moncton	50	2,771	8,047,771	597,951	12,601,426	32,537,153
Newcastle	11	525	1,536,027	459,528	3,778,315	7,929,709
Saint John	108	4,528	11,599,173	1,399,859	43,909,577	70,108,559
St. Stephen	12	440	891,037	72,847	1,724,766	3,376,690
Shippagan	8	226	230,124	17,458	866,028	1,196,689
Sussex	15	267	607,412	65,924	2,374,868	3,667,249
Woodstock	15	115	234,793	36,513	857,654	1,280,209
Quebec:						
Acton Vale	15	945	2,099,570	69,808	3,779,259	6,758,939
Amos	13	136	271,091	51,577	687,925	1,160,565
Amqui	14	126	282,960	15,811	815,400	1,251,643
Beauharnois	18	1,459	4,999,388	3,711,636	12,095,633	28,432,750
Beaufort	13	336	726,881	53,928	1,950,472	3,374,010
Bedford	11	790	1,607,440	47,816	1,287,478	4,160,907
Beebe Plain	7	242	380,444	8,437	723,017	1,463,430
Berthierville	15	654	1,441,975	156,933	2,561,787	5,828,677
Cabano	11	159	502,276	11,196	748,566	1,945,784
Cap Chat	5	93	249,798	3,690	1,060,629	1,652,257
Cap-de-la-Madeleine	36	2,299	6,545,949	1,599,201	23,403,049	43,808,043
Chamby	6	122	240,924	16,045	818,917	1,312,499
Charlesbourg	14	93	205,339	12,180	793,207	1,236,477
Chicoutimi	35	537	1,318,630	110,183	2,702,609	5,268,969
Coaticook	22	1,093	2,415,974	137,486	6,040,135	9,729,163
Contrecoeur	12	321	599,529	22,490	768,295	1,790,432
Cote-St-Luc	4	977	3,662,857	150,714	9,149,700	16,646,509
Cowansville	11	1,585	4,365,907	344,475	8,622,966	16,116,904
Danville	4	475	274,986	91,799	803,037	1,438,733
Delson	4	125	1,588,726	667,432	419,589	4,887,465
Donnacombe	5	983	4,167,472	2,014,471	7,098,168	18,452,934
Dorion	12	188	315,930	13,792	741,678	1,614,203
Drummondville	57	6,193	16,612,065	1,337,956	31,398,691	64,385,410
Farnham	19	1,061	2,548,018	176,257	4,596,436	9,601,624
Fort Chambly	9	500	1,171,884	78,088	1,769,663	3,830,856
Granby	87	5,793	15,116,410	894,430	28,954,751	62,238,236
Grand-Mère	34	2,453	6,942,083	1,648,906	13,698,225	31,631,623
Gentilly	9	71	152,201	33,170	949,146	1,201,575
Giffard	16	198	537,181	45,928	1,387,399	2,563,829
Henryville	8	91	183,050	28,598	1,112,782	1,469,551
Hull	52	3,690	11,821,298	2,299,978	30,420,025	59,042,070
Huntingdon	13	585	1,671,567	175,749	7,547,829	10,778,759
Iberville	22	318	728,822	57,778	1,585,387	2,928,715
Joliette	61	2,227	5,312,944	600,459	8,912,651	19,747,489

TABLE 18. Statistics of Manufactures by Municipality, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1955 — Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Québec — Continued:						
Jonquiére	21	502	1,534,915	269,775	3,816,940	6,998,161
Lachine	76	11,709	43,104,952	1,720,809	73,741,651	154,785,071
Lachine	19	352	979,605	152,049	2,329,736	4,121,470
La Pérade	13	193	347,762	31,357	1,220,359	1,616,132
Laprairie	20	421	1,139,635	200,154	1,800,833	4,578,982
Lasalle	50	5,405	18,600,726	3,048,066	57,266,271	110,279,004
L'Assomption	15	614	1,473,464	111,432	3,156,971	5,645,750
Lennoxville	13	360	1,111,077	172,939	2,562,897	4,466,723
L'Épiphanie	17	239	645,088	42,703	1,391,077	2,420,636
Lévis	43	474	1,117,378	77,827	2,588,992	4,815,124
L'Isletville	11	378	836,450	34,546	926,846	2,270,070
Longueuil	35	1,825	4,509,130	235,517	7,500,185	15,718,448
Loretteville	28	553	1,049,918	45,433	1,933,817	3,707,652
Louiseville	19	1,689	3,915,512	387,342	6,336,127	12,121,743
Luceville	8	82	141,742	22,594	971,369	1,173,375
Magog	31	2,652	6,880,485	814,366	34,329,365	44,980,774
Maniwaki	15	195	310,253	16,857	592,216	1,042,555
Marieville	21	595	1,281,684	110,585	4,246,937	6,559,701
Matane	21	252	604,247	60,156	1,211,401	2,386,118
Mégantic	25	747	1,406,252	135,623	1,791,071	4,934,445
Mont-Joli	17	95	197,877	30,249	618,064	1,003,122
Mont-Laurier	17	260	593,775	36,494	1,212,485	2,174,587
Montmagny	40	1,451	3,407,554	212,435	6,638,090	13,333,750
Montreal	4,379	176,998	529,339,811	19,553,134	1,021,717,306	1,963,367,235
Montreal East	37	6,200	24,539,091	16,071,898	426,709,916	608,723,373
Montreal West	8	112	320,170	9,273	494,952	1,445,398
Mont Royal	37	5,586	19,294,150	704,782	54,928,338	95,336,816
Nicolet	17	366	757,524	72,372	2,138,252	3,696,364
Notre-Dame-de-Portneuf	17	575	1,605,350	356,752	4,726,097	8,231,436
Outremont	73	3,235	8,902,414	307,450	26,516,761	49,068,616
Plessisville	28	1,131	2,231,976	112,034	3,458,279	7,049,624
Pierreville	10	183	315,567	11,646	867,207	1,435,924
Pointe-aux-Trembles	14	204	504,790	34,985	1,055,297	2,187,516
Pont Rouge	13	311	395,703	28,393	3,128,264	6,323,058
Pont-Viau	9	186	393,990	26,323	613,390	1,215,924
Princeville	15	558	1,255,218	94,560	6,353,690	8,876,386
Quebec	428	16,318	43,544,693	5,949,934	92,033,607	193,753,782
Rawdon	12	98	210,107	22,007	635,758	1,032,256
Richmond	13	554	1,252,138	48,828	2,431,443	4,499,022
Rimouski	31	391	1,064,609	54,561	1,511,447	3,359,793
Rivière-du-Loup	22	158	340,577	32,445	732,313	1,382,884
Rock Island	12	538	1,439,976	58,319	1,147,687	4,619,628
Rougemont	7	96	165,142	22,250	681,636	1,005,977
Rouyn	19	183	476,176	64,703	1,033,332	2,028,079
Shawinigan Falls	46	5,834	21,337,823	9,834,841	49,519,197	124,763,014
Shawville	10	99	180,099	29,133	1,350,663	1,491,159
Sherbrooke	114	7,679	19,562,779	1,269,654	43,179,295	82,349,900
Sorel	38	1,632	4,831,110	2,647,519	5,520,918	14,241,131
Sutton	11	130	232,315	28,680	977,443	1,417,538
St-Agathe-des-Monts	18	136	292,466	28,733	767,170	1,341,512
St-Anselme	9	57	127,510	18,142	1,028,144	1,301,889
St-Casimir	17	141	270,491	25,467	1,021,022	1,509,160
St-Césaire	24	352	593,166	51,465	1,777,957	2,678,629
St-Emilien	3	189	677,449	330,168	2,116,855	4,539,405
St-Eustache	15	115	233,850	23,547	1,129,559	1,567,237
St-Félix-de-Valois	16	76	114,390	16,642	862,244	1,180,422
St-Foy	6	170	431,275	57,693	1,260,918	2,383,963
St-Gabriel-de-Brandon	28	586	990,583	56,801	1,454,906	2,841,555
St-Georges (Beauce Co.)	14	359	826,916	68,386	1,028,779	2,562,081
St-Georges West	10	318	549,013	59,679	1,444,140	2,596,095
St-Germain-de-Grantham	7	52	97,259	47,947	1,301,057	1,592,228
St-Hyacinthe	81	3,947	9,127,338	624,442	24,453,481	39,820,831
St-Jacques	12	242	496,966	19,330	1,817,969	2,726,838
St-Jean (St-John's)	75	4,966	14,960,536	1,059,838	25,151,715	55,852,109
St-Jérôme (Terrebonne Co.)	57	3,559	8,765,152	610,350	15,338,942	30,870,193
St-Joseph-de-Sorel	13	151	811,778	321,889	1,796,502	12,070,606
St-Jovite	8	76	183,498	7,794	798,927	1,144,324
St-Lambert	23	892	2,433,160	104,043	4,421,194	8,842,288
St-Laurent	70	14,434	53,991,677	1,754,971	58,455,872	159,926,828
St-Léonard-d'Aston	9	165	274,427	31,610	988,863	1,431,859
St-Macelleine	7	43	63,988	12,134	1,064,427	1,220,162
St-Marie (Beauce Co.)	18	758	1,711,239	72,235	4,357,937	8,414,179
St-Pie	14	212	426,602	61,711	1,553,493	2,362,618
St-Michel (de Laval)	72	938	2,530,194	221,116	4,439,975	9,150,317
St-Pierre	18	1,311	4,465,189	733,362	5,190,031	18,916,444
St-Raymond	15	120	189,975	16,462	629,204	1,014,786
St-Rémi	12	360	832,409	55,150	3,594,144	5,246,103
St-Rose	9	187	456,789	26,924	1,201,775	2,098,260
St-Thérèse (de Blainville)	38	1,102	2,384,470	142,657	4,300,887	9,751,885
St-Tite	24	507	848,101	21,812	1,953,493	3,478,232
Terrebonne	19	659	1,728,795	96,293	2,802,217	6,076,542
Thetford Mines	34	379	1,027,896	114,378	1,202,729	3,313,986
Three Rivers	90	7,808	24,523,464	7,654,535	51,821,172	120,016,513
Trois-Pistoles	16	268	616,194	36,753	2,555,992	3,679,147
Valcourt	6	185	470,297	14,495	1,774,047	3,053,152
Val d'Or	16	186	437,004	46,445	833,553	1,578,346
Valleyfield	38	3,437	9,926,814	787,166	19,637,754	35,780,883
Verchères	17	128	278,332	70,543	1,758,535	2,374,336
Verdun	75	1,754	4,410,455	142,866	9,428,391	17,233,306
Victoriaville	58	2,765	5,990,078	228,832	11,594,186	21,694,897

TABLE 18. Statistics of Manufactures by Municipality, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1955 — Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Quebec — Concluded:						
Warwick	13	432	1,023,336	90,564	2,392,113	4,059,219
Waterloo	21	612	1,565,660	97,018	2,929,341	5,505,800
Westmount	38	1,999	6,276,396	384,407	6,334,850	17,556,704
Windsor	14	1,698	5,801,138	1,108,123	11,175,632	23,683,306
Ontario:						
Acton	19	928	2,554,388	287,028	6,518,685	11,621,230
Almonte	12	167	436,605	102,998	2,287,206	3,689,365
Alliston	9	116	246,463	17,164	645,469	1,061,336
Amherstburg	13	660	2,106,028	574,346	3,209,480	10,808,089
Arnprior	18	934	2,608,890	155,504	3,588,552	8,587,286
Aurora	18	762	1,985,778	85,716	4,767,171	8,129,322
Aylmer	15	490	1,172,278	145,104	22,360,599	25,651,839
Ayr	7	92	208,587	28,706	1,755,689	2,367,278
Barrie	35	1,360	3,879,686	238,489	11,152,781	21,414,726
Belleville	65	3,045	9,834,029	2,158,781	12,998,023	36,178,741
Bloomfield	8	156	256,194	22,638	1,098,701	1,594,100
Blyth	5	44	103,764	17,750	1,226,685	1,467,113
Bowmanville	20	942	3,053,131	187,581	5,569,848	13,260,972
Bracebridge	19	161	346,830	18,960	630,794	1,112,238
Brampton	35	1,337	3,994,815	278,083	6,841,272	14,295,405
Brantford	165	10,891	34,763,943	1,823,189	67,064,842	127,623,951
Brighton	12	210	521,655	32,784	1,546,339	2,482,671
Brockville	48	2,416	7,672,178	535,570	46,609,547	62,600,847
Burlington	21	792	2,298,651	110,449	6,408,215	9,840,522
Campbellford	19	300	728,386	71,648	2,153,369	3,127,728
Casselman	8	70	152,073	36,918	1,065,318	1,315,477
Chatham	78	3,727	12,685,461	1,012,448	69,424,438	93,794,028
Chesley	13	306	657,327	22,537	1,134,315	2,194,103
Clinton	10	140	307,971	30,164	625,206	1,077,069
Cobourg	29	1,063	3,449,954	198,516	5,444,642	11,701,933
Collingwood	23	825	2,385,247	120,918	4,075,147	7,480,215
Cornwall	47	4,547	13,600,185	2,448,918	21,708,059	48,525,331
Delhi	15	427	1,080,074	69,500	15,457,172	17,752,373
Deseronto	6	218	447,760	39,197	1,049,423	2,216,383
Dresden	9	133	298,054	63,079	1,206,788	2,474,866
Dundas	36	1,194	3,817,274	334,623	4,659,010	10,728,010
Dunnville	22	1,284	3,070,883	174,547	10,350,634	15,348,169
Durham	11	215	513,243	52,432	684,021	1,474,808
Eastview	24	436	1,450,794	106,114	5,462,113	7,891,227
Eganville	10	134	305,343	58,104	928,857	1,677,183
Elmira	22	544	1,630,918	184,270	5,052,369	9,262,871
Essex	10	296	842,208	92,396	2,042,439	3,941,903
Forest	12	202	409,926	47,203	1,135,077	1,924,903
Fort Erie	25	661	2,398,473	75,733	6,496,062	12,372,472
Fort William	65	3,886	13,521,640	3,308,674	24,501,312	57,009,048
Galt	96	6,357	18,888,679	834,814	33,649,114	64,879,912
Gananoque	17	849	2,849,415	215,021	7,203,209	8,842,825
Georgetown	17	1,266	4,132,307	242,785	7,551,968	13,782,498
Glencoe	8	194	426,040	11,792	759,178	1,884,166
Goderich	18	539	1,490,498	190,881	2,961,945	6,435,248
Gravenhurst	8	218	609,797	27,855	794,652	2,169,237
Grimsby	16	509	1,125,250	86,256	2,667,138	4,670,955
Guelph	116	6,267	20,017,561	1,226,218	37,594,676	73,025,706
Hamilton	588	55,202	200,311,361	24,807,502	395,047,070	844,835,085
Hanover	22	795	2,307,962	123,533	3,496,239	6,758,820
Harriston	13	195	387,077	55,891	1,322,465	2,165,509
Harrow	9	122	247,411	33,351	1,101,423	1,754,234
Hespeler	18	1,590	4,265,703	471,055	6,639,941	14,594,596
Huntsville	14	314	768,229	75,935	2,181,405	3,817,633
Ingersoll	22	1,118	3,293,330	213,203	8,124,479	13,371,987
Kearville	10	87	239,319	69,165	1,854,115	2,654,986
Kincardine	15	386	777,860	59,064	1,135,007	2,288,028
Kingston	73	6,310	21,405,984	1,621,987	53,672,041	102,807,120
Kitchener	204	14,635	46,600,436	2,196,936	101,562,112	208,062,376
Leamington	22	1,353	4,146,819	368,114	13,913,589	25,888,845
Leaside	50	7,612	26,825,121	1,115,661	61,958,650	122,363,939
Lindsay	35	1,441	3,752,037	338,764	6,303,276	12,688,154
Listowel	12	437	983,489	94,410	2,193,349	3,941,082
London	295	15,622	48,977,683	2,421,321	93,864,905	198,567,936
Long Branch	26	1,435	5,071,859	240,322	9,081,479	18,561,042
Markham	8	78	212,242	23,987	537,394	1,371,709
Meaford	20	466	1,089,434	93,317	2,369,701	4,316,660
Merrittton	19	2,141	8,592,767	1,264,494	16,677,045	32,555,737
Midland	23	951	2,230,108	113,382	6,948,405	10,764,256
Mildmay	16	125	230,491	16,904	819,913	1,212,976
Milton	16	1,082	3,884,242	517,461	5,477,452	12,931,662
Milverton	11	185	437,393	28,795	760,935	1,387,910
Mimico	44	937	2,942,114	119,128	4,883,528	10,801,854
Mitchell	12	137	316,134	74,150	1,845,283	2,802,266
Mount Forest	15	228	431,580	30,608	959,316	1,694,355
Napanee	16	388	1,114,287	148,642	2,432,239	4,622,889
Newcastle	5	189	501,334	13,226	432,007	1,124,049
New Hamburg	12	364	852,116	38,347	1,444,225	3,065,312
Newmarket	24	923	2,793,362	152,664	5,047,392	11,507,189
New Toronto	40	7,024	28,500,789	1,959,545	97,947,853	187,316,070
Niagara (on the lake)	8	121	309,645	19,012	638,183	1,198,180
Niagara Falls	82	5,539	19,310,803	5,933,601	38,620,550	96,645,017
New Liskeard	14	688	1,948,199	87,122	4,009,423	7,227,047

TABLE 18. Statistics of Manufactures by Municipality, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1955 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Ontario - Concluded:						
North Bay	28	505	1,528,885	134,572	2,420,478	5,316,972
Norwich	8	90	187,018	23,110	806,251	1,289,615
Oakville	51	1,455	4,523,635	287,424	7,337,724	17,643,933
Orangeville	16	168	345,107	30,755	1,017,514	1,725,408
Orillia	57	2,180	6,199,414	435,393	6,602,034	17,951,553
Ottawa	310	10,302	31,303,781	2,044,869	48,114,791	108,318,828
Owen Sound	49	2,636	7,759,584	315,468	8,907,743	23,739,906
Paris	23	1,380	4,032,254	166,446	7,151,557	12,214,752
Pembroke	32	1,503	3,711,982	180,458	6,723,081	13,242,592
Penetanguishene	11	467	1,071,539	52,557	1,653,481	3,265,138
Perth	26	914	2,075,919	111,063	5,161,872	9,946,058
Peterborough	95	9,662	33,929,742	1,266,030	64,899,737	117,597,499
Petrolia	16	203	532,757	111,099	2,245,112	3,372,028
Pictou	16	219	376,135	32,934	1,006,154	1,520,660
Port Arthur	61	2,421	9,020,507	2,225,524	16,669,625	41,653,720
Port Dover	9	131	266,405	23,628	913,004	1,374,433
Port Elgin	8	188	348,249	20,901	637,857	1,169,406
Port Hope	26	1,326	4,817,207	363,327	20,895,683	33,113,040
Preston	40	2,605	7,398,836	295,755	8,906,067	20,691,013
Renfrew	28	660	1,781,397	135,288	2,767,811	5,685,716
Richmond Hill	10	129	306,179	24,024	1,099,021	1,713,843
Ridgeway	12	204	560,571	28,283	1,129,766	2,627,318
Riverside	8	133	459,312	146,498	1,173,430	1,933,791
St. Catharines	101	5,536	19,460,531	929,319	24,914,468	55,560,225
St. Mary's	13	542	1,635,887	1,400,969	4,986,137	12,575,632
St. Thomas	48	2,003	6,278,789	368,407	10,697,273	23,798,778
Sarnia	52	7,003	28,562,579	14,430,168	155,908,558	309,416,107
Sault Ste-Marie	55	8,417	35,623,678	7,726,855	67,890,472	139,608,783
Seaforth	12	220	452,758	28,724	801,481	1,486,942
Simcoe	33	1,376	4,274,385	270,204	27,653,388	39,144,258
Smith's Falls	26	706	1,946,752	135,893	3,292,768	7,521,596
Southampton	5	270	696,564	28,079	1,198,370	2,251,025
Stirling	8	108	201,532	10,516	655,442	1,039,715
Stratford	68	3,485	10,335,997	418,313	19,875,237	36,788,120
Strathroy	22	519	1,165,595	56,765	2,412,272	4,536,215
Streetsville	15	557	1,654,832	178,075	5,197,890	8,591,816
Sudbury	62	1,090	3,268,209	343,881	6,071,511	13,083,215
Swansea	19	900	2,969,829	272,055	5,854,023	12,314,905
Tavistock (Oxford Co.)	7	162	361,919	29,723	1,998,955	2,589,155
Tecumseh	10	234	781,331	51,384	1,751,619	3,790,187
Thamesville	7	100	253,333	18,770	640,491	1,168,698
Thorold	26	2,746	11,737,822	3,374,104	23,323,616	49,567,223
Tilbury (Essex Co.)	4	117	215,398	37,646	715,372	1,323,582
Tilbury (Kent Co.)	10	695	2,394,395	130,017	1,635,986	6,217,146
Tillsonburg	27	981	2,533,336	243,964	12,959,021	18,684,883
Timmins	24	478	1,283,944	126,274	2,239,896	4,992,333
Toronto	3,497	134,235	448,775,761	18,788,747	916,493,539	1,732,099,123
Trenton	33	1,564	4,422,701	533,039	9,057,062	19,721,806
Tweed	13	227	422,844	22,330	1,237,870	2,502,434
Uxbridge	10	145	383,971	32,437	1,276,326	2,297,559
Walkerton	12	561	1,229,971	47,884	1,612,887	4,291,322
Wallaceburg	28	2,129	7,221,255	870,684	7,201,674	19,516,875
Waterloo	64	3,017	9,216,442	480,726	14,368,957	45,425,005
Welland	55	4,342	15,056,222	2,656,144	33,084,524	55,377,848
Wellington	10	161	332,402	67,881	1,449,670	2,274,005
West Lorne	7	234	542,311	31,272	1,248,559	2,183,206
Weston	67	3,951	13,995,775	682,023	27,576,336	54,447,248
Wheatley	6	133	287,882	39,824	587,932	1,051,693
Whitby	15	596	1,716,312	116,786	2,604,224	6,934,853
Winchester	7	68	169,225	58,865	1,586,611	2,078,344
Windsor	334	25,654	101,810,378	4,975,650	186,275,443	374,512,418
Wingham	16	392	927,175	78,167	2,397,084	3,905,775
Woodbridge	11	382	1,155,908	156,020	3,569,357	5,538,297
Woodstock	64	4,156	12,780,076	578,435	29,689,791	52,789,171
Manitoba:						
Altona	11	78	189,286	45,060	1,238,144	1,457,644
Brandon	41	837	2,481,112	308,226	9,650,068	16,245,505
Dauphin	15	73	155,814	30,179	802,685	1,183,002
Flin Flon	9	259	1,017,172	446,970	6,252,995	15,931,625
Morden	10	156	388,084	76,704	741,683	1,608,642
Neepawa	9	106	305,165	98,339	717,601	1,377,043
Portage La Prairie	17	148	342,101	47,213	653,816	1,394,512
St. Boniface	96	4,581	15,433,362	1,412,356	93,129,678	125,244,146
Selkirk	10	901	3,243,015	598,971	3,717,319	11,018,823
Steinbach	13	179	370,095	32,542	825,713	1,518,615
Swan River	16	175	479,338	34,859	895,331	1,848,087
Transcona	8	1,965	6,419,729	332,584	9,523,714	18,252,548
Winnipeg	873	26,392	75,281,647	3,541,450	152,575,494	291,084,611
Saskatchewan:						
Hudson Bay	10	83	198,565	21,317	727,994	1,317,887
Melville	10	60	130,807	21,564	591,166	1,193,572
Moose Jaw	48	1,296	4,079,553	1,120,313	33,207,027	48,569,981
North Battleford	13	148	373,794	53,450	1,167,401	1,970,165
Prince Albert	38	923	2,756,220	231,457	10,121,765	17,163,062
Regina	147	3,305	11,289,862	2,497,834	47,415,418	86,122,120
Saskatoon	121	2,966	9,338,487	1,101,752	47,723,596	70,671,208
Swift Current	14	184	567,590	81,512	1,686,249	3,156,331
Yorkton	21	179	456,906	81,796	1,372,405	2,328,733

TABLE 18. Statistics of Manufactures by Municipality, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1955 — Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Alberta:						
Athabasca	37	169	289,434	33,069	588,563	1,136,452
Barrhead	12	50	106,463	24,298	1,086,019	1,347,790
Calgary	340	9,204	29,678,611	1,584,888	96,953,715	158,287,364
Edmonton	384	11,363	35,067,962	1,497,932	113,943,494	185,379,126
Grande Prairie	21	275	688,212	83,393	1,324,332	2,833,089
Lacombe	37	152	292,498	33,219	1,654,459	2,652,680
Lethbridge	63	1,149	3,224,366	235,027	7,750,020	15,832,379
Lloydminster	16	115	347,873	30,758	1,283,791	1,909,757
Medicine Hat	41	944	2,344,822	144,923	13,257,656	18,910,072
Red Deer	23	280	796,793	70,802	2,877,235	5,014,957
Wetaskiwin	11	67	165,798	13,479	848,947	1,079,553
British Columbia:						
Armstrong	12	107	268,754	27,227	897,095	1,379,815
Burn's Lake	20	179	450,536	48,879	1,893,427	2,768,921
Chilliwack	22	271	672,506	89,803	2,430,994	3,740,029
Courtenay	23	125	335,538	43,438	592,590	1,213,321
Cranbrook	19	254	765,795	79,299	1,965,237	3,572,280
Creston	12	125	379,069	22,779	660,582	1,217,908
Dawson Creek	19	149	384,336	36,906	1,187,399	2,089,547
Enderby	18	132	356,901	36,267	750,726	1,425,825
Grand Forks	13	155	414,053	38,326	425,640	1,297,548
Hope	10	141	410,483	34,577	742,553	1,580,029
Kamloops	34	509	1,597,419	329,809	4,518,350	8,438,042
Kelowna	38	824	2,322,374	126,435	4,257,962	8,563,086
Meritt	10	257	778,839	40,594	1,191,634	3,355,394
Mission	13	225	717,273	58,845	1,697,205	3,430,702
Nanaimo	26	523	1,829,859	129,715	3,763,117	7,419,227
New Westminster	130	8,116	28,504,985	1,608,110	73,673,674	137,527,166
North Vancouver	64	2,507	9,125,641	466,105	14,429,949	33,756,046
Nelson	30	405	1,152,586	66,665	2,070,641	4,321,683
Oliver	12	191	515,299	28,273	907,992	2,191,941
Penticton	31	442	1,139,844	90,507	2,280,071	4,596,535
Port Alberni	19	2,827	10,061,827	435,455	24,695,111	44,721,166
Prince George	85	1,026	2,905,048	286,425	11,771,961	17,626,651
Prince Rupert	22	324	940,491	85,793	1,797,893	3,103,364
Quesnel	85	806	2,207,103	175,992	5,188,041	10,098,555
Revelstoke	19	132	365,456	44,618	498,474	1,276,152
Salmon Arm	11	157	419,669	34,865	1,004,532	2,031,603
Terrace	5	102	362,232	11,234	448,708	1,122,779
Vancouver	1,330	34,683	120,488,180	5,757,268	276,666,483	489,181,449
Vernon	36	440	1,195,368	108,774	2,284,942	4,696,721
Victoria	201	4,839	16,812,711	929,842	28,726,427	61,375,045
William's Lake	45	315	879,615	93,249	3,782,926	5,946,728

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1955

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Newfoundland:						
Division No. 1	188	3,526	8,037,140	788,162	15,371,180	33,816,846
Division No. 2	20	1,045	1,671,924	101,259	2,447,408	5,425,749
Division No. 3	22	649	997,419	89,854	1,754,656	3,622,653
Division No. 4	36	80	69,523	7,891	152,015	263,993
Division No. 5	45	2,582	10,759,106	3,173,426	18,022,871	43,593,057
Division No. 6	56	1,458	6,232,443	1,178,089	10,687,168	25,668,134
Division No. 7	190	445	289,831	65,827	595,717	1,301,813
Division No. 8	108	237	175,498	12,040	303,956	652,784
Division No. 9	117	335	370,184	29,484	577,065	1,227,867
Division No. 10	3	4	1,400	170	2,820	6,140
Totals	785	10,361	28,604,468	5,446,202	49,914,856	115,579,036
Prince Edward Island:						
King's County	54	407	528,506	82,392	2,182,497	3,340,678
Prince County	72	534	801,983	103,879	5,882,157	7,756,048
Queen's County	78	828	1,743,596	196,887	8,738,381	12,532,105
Totals	204	1,769	3,074,085	383,158	16,803,035	23,628,831
Nova Scotia:						
Annapolis	40	452	752,645	96,901	2,081,218	3,769,915
Antigonish	28	192	344,100	37,571	1,051,854	1,751,565
Cape Breton	130	6,099	20,017,143	3,540,284	34,444,457	70,745,927
Colchester	121	1,826	3,271,069	322,433	9,749,811	16,841,004
Cumberland	101	2,023	4,633,528	561,066	9,058,788	18,821,451
Digby	91	736	1,058,024	102,209	3,656,294	5,696,729

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1955 - Continued

Country and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Nova Scotia—Concluded:						
Guysboro	40	501	772,722	92,816	2,311,957	3,619,028
Halifax	256	8,314	23,545,982	2,487,455	54,283,586	103,866,433
Hants	64	1,041	2,097,777	412,524	5,535,538	10,176,150
Inverness	60	304	280,482	24,460	1,073,794	1,579,667
King's	79	781	1,402,654	222,989	5,902,701	9,466,298
Lunenburg and Queens	168	2,976	7,591,901	1,446,209	15,228,861	34,498,956
Pictou	113	2,669	6,859,672	893,465	15,578,264	27,269,405
Richmond	30	354	571,614	76,536	2,024,831	3,064,004
Shelburne	78	839	1,415,393	145,706	6,096,072	8,890,509
Victoria	33	93	108,888	11,004	334,919	571,640
Yarmouth	92	1,018	1,832,329	188,068	6,781,474	10,501,009
Totals	1,524	30,218	76,555,923	10,661,696	175,194,419	331,129,690
New Brunswick:						
Albert	19	200	426,417	173,160	1,259,637	2,363,674
Carleton	51	570	951,303	129,697	3,276,664	5,134,637
Charlotte	66	2,107	3,484,539	399,100	9,399,840	15,871,612
Gloucester	112	2,168	5,574,553	1,416,132	14,815,706	29,841,991
Kent	54	414	447,723	57,756	3,052,804	3,605,789
King's	49	514	1,230,670	699,108	3,311,075	7,105,908
Madawaska	1	1,222	4,060,797	1,350,954	10,837,752	27,052,750
Northumberland	80	1,139	2,615,127	538,526	6,791,916	9,086,089
Queen's	31	252	559,134	175,000	958,260	2,362,524
Restigouche	55	2,169	7,896,896	4,069,231	20,143,557	42,884,646
St. John	139	5,584	14,688,858	2,253,951	52,583,007	88,732,095
Sunbury	8	32	44,806	4,430	158,070	255,421
Victoria	44	459	1,017,034	69,803	2,071,203	4,154,880
Westmoreland	195	4,358	11,237,936	921,209	26,390,975	45,820,137
York	98	1,246	2,447,552	200,139	5,854,753	10,578,897
Totals	1,052	22,434	56,683,345	12,458,196	160,905,219	294,829,050
Quebec:						
Abitibi	175	1,516	3,076,666	288,257	9,392,844	15,345,501
Argenteuil	73	3,241	8,974,282	650,477	19,342,533	40,171,109
Arthabaska	148	4,172	8,954,205	473,982	23,074,634	38,621,296
Bagot	74	1,383	2,898,741	210,907	10,317,252	15,170,158
Beauce	184	2,750	5,585,118	380,371	13,338,499	25,169,999
Beauharnois	70	6,027	18,716,981	5,349,429	35,197,763	77,353,211
Bellechasse	76	324	491,655	69,416	3,083,047	4,002,846
Berthier	121	1,748	3,255,614	311,734	7,198,649	13,820,958
Bonaventure	85	572	765,080	82,914	2,773,240	4,336,403
Brome	40	260	447,080	53,372	1,807,922	2,823,729
Chamby	137	5,702	16,581,474	906,277	24,822,092	54,925,017
Champlain	242	7,322	19,453,774	4,389,726	58,315,927	113,567,243
Charlevoix Est	39	602	1,997,685	930,785	4,079,437	10,110,809
Charlevoix Ouest	32	110	147,937	18,886	510,422	782,789
Châteauguay	41	626	1,329,280	133,336	4,586,448	7,365,276
Chicoutimi	181	11,547	46,511,292	24,099,732	140,533,285	305,518,916
Compton	66	1,606	4,698,105	1,264,351	11,065,297	21,569,075
Deux-Montagnes	62	324	578,993	77,379	2,209,619	3,329,473
Dorchester	116	466	797,944	160,724	5,423,475	7,276,128
Drummond	114	6,481	17,176,736	1,489,610	34,398,748	68,636,220
Frontenac	95	1,243	2,136,538	201,508	5,162,532	9,893,073
Gaspé Est	97	1,047	2,595,483	1,007,388	7,092,929	13,523,609
Gaspé Ouest	30	408	848,336	11,420	3,959,555	5,900,022
Gatineau	53	217	376,498	36,400	1,676,600	2,772,930
Hull	71	6,891	23,637,485	7,949,740	53,142,930	114,202,785
Huntingdon	31	680	1,839,088	200,466	8,168,313	11,741,321
Iberville	40	435	958,919	97,505	3,021,120	4,823,042
Iles-de-la-Madeleine	19	574	502,719	85,098	2,091,242	3,194,326
Jesus Island	50	746	1,607,333	128,095	3,265,686	6,164,771
Joliette	139	2,930	7,061,004	1,035,788	15,611,092	29,867,126
Kamouraska	85	557	866,270	76,037	2,942,574	4,390,311
Labelle	89	714	1,372,902	99,540	3,722,374	6,291,308
Lac St-Jean Est	20	2,607	9,723,409	5,156,256	26,308,598	63,580,469
Lac St-Jean Ouest	147	1,275	3,774,989	1,355,351	13,157,600	25,427,611
Laprairie	38	1,021	3,043,900	894,874	3,413,485	11,503,776
L'Assomption	76	2,838	7,665,324	514,812	43,791,409	51,935,175
Lévis	106	3,584	8,997,557	551,135	12,087,560	27,051,332
L'Islet	97	846	1,606,092	90,810	3,542,528	6,423,073
Lotbinière	99	657	1,206,297	226,046	5,396,876	8,001,435
Maskinongé	75	2,109	4,646,341	442,601	9,190,179	16,339,501
Matane	74	685	1,490,071	100,198	3,129,192	5,908,527
Matapédia	65	372	696,801	69,956	2,487,404	3,686,861
Mégantic	130	2,095	4,137,972	288,572	7,083,355	14,184,599
Missisquoi	75	3,924	10,124,239	675,487	17,235,578	34,679,695
Montcalm	66	488	900,440	67,838	3,688,636	5,417,291
Montmagny	81	1,674	3,834,019	252,054	8,175,487	15,731,031
Montmorency No. 1	43	67	2,739,832	1,446,561	5,819,207	17,183,987
Montmorency No. 2	13	67	150,978	13,637	325,070	753,008
Montréal	5,019	234,904	734,567,150	46,199,433	1,785,049,643	3,279,907,088
Napierville	28	529	1,105,803	91,946	4,645,611	6,887,133

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1955 - Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Quebec—Concluded:						
Nicolet	109	922	1,618,261	217,926	7,802,108	10,866,899
Papineau	81	1,823	5,918,350	1,644,144	15,510,775	32,728,235
Pontiac	41	424	750,652	55,483	3,070,561	4,256,923
Portneuf	170	2,954	9,018,534	3,737,190	20,823,176	45,177,929
Québec	583	20,791	53,837,228	6,617,150	118,503,070	237,521,611
Richelieu	76	5,335	16,814,489	3,130,619	11,385,575	39,603,816
Richmond	73	3,454	11,205,346	2,284,646	22,288,085	45,668,634
Rimouski	128	984	2,077,676	187,772	5,441,888	9,189,148
Rivière-du-Loup	109	702	1,418,683	136,625	5,466,126	8,107,122
Rouville	85	1,489	2,924,649	305,797	10,162,536	15,276,244
Saguenay	68	1,290	5,477,657	1,325,131	16,042,741	31,860,855
Shedbrooke	160	6,942	17,911,981	1,094,757	36,765,124	75,508,199
Soulanges	137	8,116	20,795,779	1,451,384	46,057,325	87,423,979
Stanstead	100	24	57	18,118	744,075	929,801
St. Jean	4	470	11,443,686	1,053,045	43,903,887	63,085,467
St. Hyacinthe	146	4,685	10,575,976	742,755	29,259,875	47,203,230
St. Maurice	92	5,144	15,065,049	1,106,895	26,978,592	58,257,664
Témiscamisque	195	13,884	46,242,580	17,546,658	102,879,342	246,981,914
Témiscouata	90	2,246	7,745,001	3,512,298	100,400,689	123,853,702
Terrebonne	79	660	1,483,501	54,034	4,158,008	7,010,160
Vaudreuil	228	6,510	15,694,320	1,158,946	30,124,525	59,472,831
Verchères	52	494	1,003,309	68,622	3,011,352	5,003,050
Wolfe	68	1,370	3,762,984	904,796	10,422,909	21,194,085
Yamaska	56	577	992,956	295,069	2,421,753	4,571,228
Yamaska	57	379	638,917	97,343	3,061,981	4,351,976
Totals	12,194	429,575	1,271,077,953	159,456,200	3,152,541,331	5,922,367,074
Ontario:						
Algoma	114	9,141	37,519,343	7,805,467	71,773,117	146,965,623
Brant	216	12,663	39,849,284	2,110,416	77,875,967	146,110,839
Bruce	144	2,203	4,683,170	315,271	9,817,402	18,069,874
Carleton	382	11,279	34,400,738	2,214,109	55,668,563	121,530,524
Cochrane	98	4,442	17,139,096	3,522,068	34,130,208	90,085,053
Dufferin	34	227	456,866	67,990	1,732,383	2,667,669
Dundas	47	640	1,620,310	249,825	10,871,035	16,177,051
Durham	80	2,553	8,546,912	589,146	27,655,577	48,573,924
Elgin	103	2,901	8,295,944	583,913	35,434,403	53,449,402
Essex	489	39,696	153,552,430	9,035,643	372,047,628	677,940,364
Frontenac	109	6,392	21,520,043	1,641,899	54,640,402	104,013,409
Glengarry	52	356	522,136	95,895	2,621,600	3,776,160
Grenville	57	2,601	7,794,191	1,381,623	34,964,803	56,112,479
Grey	175	4,521	12,442,752	688,545	18,866,394	41,139,565
Halldmand	62	2,106	5,279,737	754,343	17,178,479	28,741,741
Haliburton	26	268	588,968	38,358	1,002,567	2,187,200
Halton	164	10,962	38,616,559	2,434,431	233,854,996	313,434,427
Hastings	240	8,011	22,650,076	3,679,324	42,826,681	97,326,983
Huron	129	1,634	3,799,504	434,763	10,594,886	18,071,097
Kenora	73	2,026	6,986,152	1,084,109	22,435,964	42,447,993
Kent	198	7,446	24,468,336	2,365,504	83,296,359	129,795,698
Lambton	136	9,126	35,634,502	16,330,347	196,149,873	371,039,088
Lanark	126	2,690	6,558,406	520,165	15,114,129	28,766,791
Leeds	112	3,468	10,728,946	825,070	53,193,713	74,632,776
Lennox and Addington	59	1,185	3,585,353	707,072	7,139,298	11,509,573
Lincoln	212	15,059	52,897,310	4,023,758	87,108,657	181,459,974
Manitowlin	28	79	120,555	21,002	546,750	802,174
Middlesex	418	18,921	59,257,914	3,122,710	127,139,523	258,050,276
Muskoka	76	848	1,998,037	149,068	4,160,297	8,175,874
Nipissing	93	1,967	5,930,803	645,064	10,297,480	23,562,093
Norfolk	94	2,228	6,263,432	437,395	46,837,158	62,574,858
Northumberland	116	1,925	5,305,685	375,154	12,186,623	21,577,692
Ontario	195	15,949	57,506,498	2,802,812	236,963,552	388,384,522
Oxford	191	7,241	21,151,599	1,809,118	60,596,035	103,358,210
Perry Sound	93	969	2,464,307	260,209	5,511,531	12,693,271
Peel	144	19,513	76,835,574	7,168,392	147,401,024	255,040,266
Perth	155	4,976	14,137,374	2,121,745	34,703,499	63,758,055
Peterborough	140	9,889	34,384,034	1,360,079	66,460,802	119,971,795
Prescott	81	1,161	3,566,274	1,109,571	7,932,431	16,613,936
Prince Edward	62	816	1,341,892	189,095	5,560,129	8,273,904
Rainy River	48	952	4,236,185	1,347,250	8,203,202	19,577,228
Renfrew	190	4,342	11,141,159	1,172,300	20,376,060	43,221,758
Russell	54	194	338,446	86,651	2,793,818	3,421,737
Simcoe	243	6,264	16,640,403	1,052,303	33,709,608	65,744,602
Storont	90	7,467	24,060,884	4,633,996	41,480,298	92,124,911
Sudbury	142	10,439	42,044,164	16,136,192	119,488,005	349,033,282
Thunder Bay	217	8,464	31,542,996	9,122,590	69,972,959	157,630,458
Timiskaming	90	1,368	3,738,185	301,146	7,206,630	13,751,945
Victoria	84	1,728	4,257,332	392,442	7,609,732	15,045,157
Waterloo	548	29,774	90,364,864	4,757,945	178,543,082	376,112,444
Welland	303	24,075	90,930,278	20,770,427	324,353,939	549,662,881
Wellington	223	8,081	25,134,386	1,626,586	48,014,074	92,902,629
Wentworth	680	57,356	206,549,181	25,407,106	407,316,992	869,248,030
York	4,841	203,290	687,565,977	31,034,621	1,401,256,902	2,751,333,586
Totals	13,276	613,872	2,088,905,627	202,930,013	5,014,225,423	9,617,642,961

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1955 - Concluded

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Manitoba:						
Division No. 1	47	258	486,764	52,504	1,524,828	2,472,761
Division No. 2	43	327	776,876	147,744	2,784,184	4,263,978
Division No. 3	25	90	176,882	30,324	1,209,302	1,546,694
Division No. 4	9	82	191,862	28,898	594,256	997,642
Division No. 5	64	2,997	10,186,866	2,180,824	31,821,127	63,457,548
Division No. 6	1,016	32,015	93,966,063	6,717,507	254,012,280	433,939,320
Division No. 7	63	976	2,802,473	329,597	10,308,460	17,566,636
Division No. 8	17	77	175,263	28,562	1,130,830	1,539,066
Division No. 9	56	3,213	9,831,859	999,997	12,564,098	34,332,050
Division No. 10	18	129	342,258	103,141	1,140,021	1,906,144
Division No. 11	20	86	163,548	27,405	1,135,972	1,488,616
Division No. 12	28	90	178,858	45,538	1,273,118	1,615,155
Division No. 13	27	131	253,314	47,778	1,170,468	1,755,339
Division No. 14	37	124	177,938	24,144	1,104,307	1,522,138
Division No. 15 and 16	79	723	2,007,949	675,996	8,125,512	19,947,994
Totals	1,549	41,318	121,718,573	11,439,959	329,698,765	588,351,081
Saskatchewan:						
Division No. 1	21	115	278,247	47,829	900,968	1,607,390
Division No. 2	12	68	159,439	25,099	348,132	687,323
Division No. 3	8	23	50,801	4,703	57,566	140,954
Division No. 4	10	43	93,353	13,936	244,344	382,542
Division No. 5	37	164	327,293	50,859	2,073,655	2,741,811
Division No. 6	163	3,346	11,358,378	2,506,002	47,510,387	86,359,451
Division No. 7	55	1,318	4,115,973	1,122,253	33,425,539	48,886,749
Division No. 8	19	196	587,509	83,817	1,707,125	3,209,809
Division No. 9	75	367	826,996	176,635	3,193,087	4,850,648
Division No. 10	15	64	116,539	22,179	940,700	1,197,648
Division No. 11	132	3,004	9,414,157	1,112,616	47,884,639	70,968,629
Division No. 12	10	40	98,181	13,453	183,449	352,830
Division No. 14	169	620	1,152,523	110,531	3,308,063	6,125,225
Division No. 15	93	1,064	2,971,213	279,670	10,872,687	18,292,570
Division No. 16	58	264	558,419	81,813	2,016,995	3,251,623
Division No. 17	43	128	224,058	31,839	950,413	1,448,669
Division No. 18 and 13	40	666	2,492,432	2,098,123	18,460,952	44,658,366
Totals	960	11,490	34,825,511	7,781,357	174,078,701	295,162,037
Alberta:						
Division No. 1	50	1,589	4,352,295	231,866	15,358,496	24,185,111
Division No. 2	99	1,702	4,579,171	504,255	14,255,234	26,522,724
Division No. 3	40	320	715,800	130,160	1,679,019	3,272,446
Division No. 4	9	144	387,858	34,587	2,981,109	3,953,279
Division No. 5	37	318	741,841	121,566	4,263,181	6,590,921
Division No. 6	430	10,546	34,756,556	4,470,415	112,604,533	201,059,586
Division No. 7	36	182	459,696	96,701	2,251,301	3,109,146
Division No. 8	182	823	1,793,659	194,894	7,810,814	12,329,867
Division No. 9	48	328	742,531	131,250	1,443,416	3,262,333
Division No. 10	83	572	1,664,411	494,268	10,349,180	16,970,021
Division No. 11	531	15,272	50,075,827	5,236,686	175,131,146	306,775,957
Division No. 12	84	358	789,036	144,099	2,503,400	4,571,725
Division No. 13	155	472	830,961	101,159	4,735,757	6,649,837
Division No. 14	143	801	1,574,500	207,230	3,864,181	7,463,492
Division No. 15	199	1,419	3,084,673	397,106	6,792,086	14,431,790
Totals	2,126	34,846	106,548,815	12,496,242	366,022,833	641,148,235
British Columbia:						
Division No. 1	148	1,613	4,853,097	972,363	11,716,854	24,764,756
Division No. 2	184	6,362	23,759,670	2,923,922	86,375,301	150,921,041
Division No. 3	356	4,227	11,378,456	876,324	22,372,692	45,061,408
Division No. 4	1,965	57,391	199,466,147	13,806,310	524,573,954	942,369,293
Division No. 5	446	14,432	52,890,638	5,818,764	111,900,687	232,111,693
Division No. 6	291	3,478	10,178,659	1,120,321	24,255,824	46,955,597
Division No. 7	34	3,378	14,698,149	2,959,769	26,200,732	77,572,062
Division No. 8	886	6,441	18,996,533	1,806,236	50,709,410	90,093,855
Division No. 9	58	4,067	16,514,546	4,144,315	35,372,613	64,674,695
Division No. 10	116	519	1,074,832	126,881	2,495,601	4,820,416
Totals	4,486	102,408	353,810,727	34,555,265	895,973,668	1,679,344,816
Yukon and Northwest Territories:						
Totals	26	170	604,507	181,182	2,843,895	4,751,000

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955

MONTREAL METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Bread and other bakery products	171	5,271	14,211,583	1,401,211	21,951,082	45,726,762
Biscuits	9	2,352	5,298,242	334,306	13,123,719	25,557,069
Butter and cheese	11	1,914	6,038,582	591,059	17,512,691	28,997,855
Confectionery	44	2,335	5,783,268	312,425	18,960,805	33,791,992
Dairy products, other	4	227	547,321	70,759	1,789,516	3,345,847
Feeds, stock and poultry prepared	12	525	1,719,395	138,688	20,674,035	26,251,236
Fruit and vegetable preparations	37	1,018	2,241,375	198,757	9,036,756	15,241,886
Miscellaneous food preparations	62	2,459	7,398,601	638,287	64,518,100	96,290,181
Sausage and sausage casings	18	346	980,527	95,074	4,455,634	6,770,835
Slaughtering and meat packing	23	3,455	11,725,062	716,409	92,039,325	116,321,526
Carbonated beverages	28	1,146	3,780,701	402,504	6,176,644	27,027,950
All other industries ¹	25	7,162	26,295,910	2,412,391	113,288,784	197,985,207
Totals	444	28,210	86,020,567	7,311,870	383,527,091	623,308,446
Tobacco and tobacco products:						
Totals	19	5,302	18,292,020	278,625	59,964,093	114,568,733
Rubber products:						
Totals	15	2,287	8,204,720	321,020	9,960,008	22,123,086
Leather products:						
Belting, leather	4	76	236,955	11,276	281,286	626,840
Boots and shoe findings, leather	12	188	460,504	22,557	875,480	1,598,862
Footwear, leather	68	6,225	13,726,564	187,265	18,317,249	38,927,133
Gloves and mittens, leather	18	422	798,999	11,796	1,404,351	2,702,212
Leather tannings	3	111	292,468	23,775	436,487	340,132
Miscellaneous leather goods	89	2,067	4,324,418	82,155	5,297,968	11,766,601
Totals	194	9,089	19,839,908	338,824	26,612,821	56,561,780
Textile mills:						
Awning, tents and sails	21	345	781,045	28,043	1,409,923	2,808,788
Bags, cotton and jute	13	413	916,087	38,562	7,847,407	9,363,884
Cotton yarn and cloth	6	2,778	8,463,635	372,356	11,699,183	19,616,569
Dyeing and finishing of textiles	28	780	2,207,433	241,047	1,578,898	5,079,238
Embroideries, pleating and hemstitching	106	1,426	2,999,861	52,565	2,495,840	7,377,030
Oilcloth, linoleum and coated fabrics	10	1,512	5,048,953	330,792	9,661,537	20,386,961
Miscellaneous cotton goods	7	192	555,801	81,300	1,783,867	3,091,290
Miscellaneous textiles	76	2,074	4,957,558	178,836	13,606,870	24,215,567
Narrow fabrics	19	532	1,380,218	53,952	2,132,845	5,179,917
Woollen cloth	4	99	497,825	1,602	102,896	255,204
All other industries ²	20	2,240	8,018,896	115,285	8,597,774	14,353,358
Totals	310	12,391	35,827,312	1,494,340	60,917,040	111,727,806
Clothing:						
Clothing, children's factory	110	4,660	9,223,042	140,480	19,890,383	35,408,697
Clothing contractors, men's	92	1,990	4,231,789	52,462	476,943	5,788,303
Clothing contractors, women's	70	1,248	2,296,031	33,244	2,992,635	2,992,635
Clothing, men's factory	266	11,161	26,510,061	299,822	61,421,179	106,577,719
Clothing, women's factory	449	17,252	38,589,358	412,811	82,951,139	152,886,990
Corsets	14	697	1,515,024	14,641	1,961,771	5,473,826
Fur goods	240	2,328	6,545,611	120,914	21,965,254	32,705,115
Hats and caps	79	2,235	5,074,593	101,074	5,299,391	13,761,852
Oiled and waterproofed clothing	6	269	705,269	8,980	1,357,092	2,699,965
Miscellaneous clothing	41	747	1,485,085	24,579	3,014,275	5,552,200
All other industries ³	6	634	1,907,990	42,325	778,940	4,302,496
Totals	1,373	43,221	98,085,853	1,251,332	199,198,758	368,149,798
Knitting mills:						
Hosiery	27	1,563	3,830,838	118,799	5,049,913	11,386,802
Other knitted goods	52	2,145	4,323,752	102,830	10,235,062	17,820,332
Totals	79	3,708	8,154,590	221,629	15,284,975	29,207,134
Wood products:						
Boxes and baskets, wood	7	401	935,086	33,036	1,363,216	2,885,233
Furniture	295	5,990	16,712,886	550,803	26,711,368	54,355,106
Lasts, trees and shoe findings	5	279	666,656	10,348	490,623	1,501,648
Miscellaneous wood products	32	437	1,389,206	39,299	1,515,721	2,866,824
Sash, door and planing mills	80	908	2,430,086	166,469	6,690,760	10,946,472
All other industries ⁴	15	608	1,642,250	76,752	2,390,469	5,252,260
Totals	434	8,623	23,776,170	876,707	39,162,157	77,807,543

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1955 — Continued**

MONTREAL METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Paper products:						
Boxes and bags, paper	34	3,240	9,256,509	293,001	24,940,289	41,497,400
Miscellaneous paper goods	47	1,078	3,043,683	92,216	8,526,683	15,047,495
All other industries ⁵	7	2,276	10,924,596	567,287	8,118,753	15,576,855
Totals	88	6,594	23,224,788	952,504	41,583,725	72,121,750
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	38	904	3,883,390	76,922	1,325,358	7,348,966
Lithographing	14	804	2,831,571	58,304	4,632,517	9,940,128
Printing and bookbinding	383	5,479	17,410,872	379,650	14,736,682	42,991,629
Printing and publishing	26	4,918	19,324,680	247,985	15,127,023	50,710,202
Publishing (only) of periodicals	300	2,375	6,696,245	—	11,310,398	27,839,276
Trade composition	9	313	1,220,863	13,454	142,933	1,947,602
Totals	770	14,793	51,367,621	776,315	47,274,911	140,777,803
Iron and steel products:						
Boilers, tanks and plate work	14	1,542	5,255,006	180,818	6,109,428	14,277,672
Castings, iron	10	2,025	7,671,603	464,039	10,972,623	24,114,900
Bridgebuilding and structural steel	10	3,669	13,995,726	459,460	23,647,287	46,162,504
Hardware, tools and cutlery	57	2,081	6,392,971	284,042	8,324,190	22,952,663
Heating and cooking apparatus	12	978	3,324,466	120,130	7,037,872	13,542,186
Machinery, household, office and store	21	857	2,369,104	60,375	3,127,996	6,600,240
Machinery, industrial	31	5,477	20,784,789	691,909	20,894,122	54,255,593
Machine shops	68	1,025	3,501,605	135,552	2,119,030	6,778,821
Miscellaneous iron and steel products	65	1,066	3,339,918	119,037	3,781,492	8,458,814
Primary iron and steel	5	2,288	9,258,376	1,351,064	11,525,194	36,240,005
Sheet metal products	68	4,657	16,242,914	489,830	30,758,525	60,891,029
Wire and wire goods	26	2,569	9,850,684	526,338	19,910,718	35,744,452
Totals	387	28,234	101,987,162	4,882,594	148,208,477	330,018,879
Transportation equipment:						
Boatbuilding	6	33	60,310	1,890	59,551	141,003
Motor vehicle parts	19	339	1,053,530	68,685	1,224,136	2,985,399
Railway rolling stock	7	11,487	38,685,325	1,905,966	58,098,621	103,052,102
All other industries ⁶	29	14,531	56,740,479	1,254,965	50,195,872	140,833,354
Totals	61	26,390	96,539,644	3,231,506	109,578,180	247,011,858
Non-ferrous metal products:						
Totals	141	6,315	21,672,217	1,868,132	203,201,885	248,097,486
Electrical apparatus and supplies:						
Machinery, heavy electrical	10	1,019	3,454,905	61,687	3,721,436	7,857,758
Miscellaneous electrical apparatus and supplies ⁷ ..	33	10,151	38,350,026	854,173	57,166,693	126,490,611
Refrigerators, vacuum cleaners and appliances	13	1,227	4,154,590	295,075	9,619,886	20,130,831
Telecommunication equipment	25	4,944	18,372,854	187,519	26,015,627	4,740,322
Totals	81	17,341	64,332,375	1,398,454	96,523,642	201,882,429
Non-metallic mineral products:						
Concrete products	53	2,029	6,187,517	950,561	14,319,608	28,605,625
Glass and glass products	27	2,478	8,116,878	1,765,731	7,706,578	23,435,314
Miscellaneous non-metallic mineral products	12	145	512,644	66,875	644,036	1,746,320
Stone products	12	194	601,062	48,998	627,090	1,679,597
All other industries ⁸	11	1,914	7,132,922	3,845,573	11,046,797	35,805,973
Totals	115	6,760	22,551,023	6,677,738	34,344,109	91,272,769
Products of petroleum and coal⁹:						
Totals	11	3,887	15,294,137	12,776,690	239,612,839	384,407,032
Chemicals and allied products:						
Acids, alkalis and salts	6	724	3,774,114	412,090	7,366,957	11,008,936
Adhesives	9	132	363,986	50,734	1,441,084	2,691,905
Gases, compressed	7	244	802,344	125,156	568,666	4,103,028
Inks	9	113	320,205	15,310	532,615	1,559,588
Medicinal and pharmaceutical preparations	74	3,224	10,364,505	343,429	13,745,702	47,066,254
Miscellaneous chemical products	51	1,189	5,361,780	163,333	5,187,183	11,115,823
Paints, varnishes and lacquers	30	2,179	7,889,223	226,787	17,599,081	35,806,678
Polishes and dressings	13	179	501,072	27,847	1,806,108	3,009,656
Soaps, washing compounds and cleaning prepara- tions	34	450	1,322,430	103,458	3,218,758	7,531,776
Toilet preparations	32	748	2,047,836	46,071	4,621,265	12,224,462
All other industries ¹⁰	8	897	3,734,754	217,059	10,841,194	15,392,496
Totals	273	10,079	36,482,249	1,731,274	66,928,613	151,510,602

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 — Continued

MONTREAL METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	26	306	591,437	17,628	655,856	1,593,633
Brooms, brushes and mops	26	343	682,887	23,380	1,213,320	2,384,943
Buttons, buckles and fasteners	28	712	1,536,732	49,188	2,863,917	5,524,184
Candles	7	81	201,267	16,259	336,246	809,251
Clocks, watches and watch cases	18	123	368,630	8,553	1,215,795	1,977,692
Fountain pens and pencils	5	321	687,882	11,218	1,509,069	2,913,096
Hair goods	4	30	80,444	1,561	351,534	470,099
Ice, artificial	7	73	225,540	70,394	72,840	625,975
Lamps, electric and lamp shades	32	632	1,232,333	44,053	2,598,602	4,901,871
Models and patterns, (excluding paper)	9	57	212,078	6,919	75,699	355,728
Other miscellaneous industries	8	336	865,133	29,333	1,346,491	3,400,072
Plastic products	33	648	1,760,568	90,503	4,815,080	9,437,472
Scientific and professional equipment	28	1,558	5,479,272	79,621	4,656,456	13,059,818
Signs, electric, neon and other	46	601	1,782,096	92,896	1,176,954	4,275,626
Sporting goods	10	143	290,319	10,412	406,254	926,897
Stamps and stencils, rubber and metal	12	102	319,444	7,063	183,585	684,311
Statuary, art goods, regalia and novelties	34	301	638,925	23,429	535,278	1,499,553
Toys and games	8	344	851,817	45,817	1,234,512	2,966,938
All other industries ¹¹	11	353	826,794	33,503	982,007	3,252,650
Totals	352	7,064	18,733,598	661,730	26,229,495	61,059,809
Grand Totals, Metropolitan Montreal	5,147	240,288	750,385,954	47,051,284	1,808,114,819	3,331,614,743

1. Includes: Animal oils and fats, 1; breakfast foods, 2; breweries, 3; cheese, processed, 4; distilled liquors, 4; flour mills, 3; macaroni and kindred products, 5; sugar refining, 2; wines, 1.

2. Includes: Automobile accessories, fabric, 3; cordage, rope and twine, 2; cotton thread, 7; miscellaneous woollen goods, 3; synthetic textiles and silk, 3; woollen yarn, 2.

3. Includes: Fur dressing and dyeing, 5; gloves and mittens, leather, 1.

4. Includes: Cooperage, 3; excelsior, 1; flooring, hardwood, 2; morticians' supplies, 2; sawmills, 1; veneers and plywood, 1; woodenware, 3; woodturning, 2.

5. Includes: Pulp and paper mills, 3; roofing paper, 4.

6. Includes: Aircraft and parts, 22; bicycles and parts, 2; motor vehicles, 1; shipbuilding, 4.

7. Includes: Batteries, 2.

8. Includes: Abrasive products, 1; asbestos products, 2; clay products from domestic clay, 1; clay products from imported clay, 3; cement, hydraulic, 1; gypsum products, 2; sand-lime brick, 1.

9. Includes: Coke and gas products, 2; miscellaneous products of petroleum and coal, 2; petroleum products, 7.

10. Includes: Coal tar distillation, 2; fertilizers, 2; primary plastics, 2; vegetable oils, 2.

11. Includes: Musical instruments, 2; pipes, lighters and smokers' supplies, 4; typewriter supplies, 2; umbrellas, 3.

The Following Municipalities are Included in Greater Montreal

Municipality	Estab- lish- ments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Dorval	8	94	230,637	8,944	438,564	821,933
L'Abord-a-Plouffe	6	102	225,189	12,855	284,230	640,849
Lachine	76	11,709	43,104,952	1,720,809	73,741,651	154,785,071
Lasalle	50	5,405	18,600,726	3,048,066	57,266,571	110,279,004
Laval-des-Rapides	8	120	265,171	22,787	360,021	905,574
Longueuil	35	1,825	4,509,130	235,517	7,500,185	15,718,448
Montreal (cites proper)	4,379	176,998	529,339,611	19,553,134	1,021,717,306	1,963,367,233
Montreal East	37	6,200	24,539,091	16,071,898	426,709,916	608,723,375
Montreal West	8	112	320,170	9,273	494,952	1,445,398
Mount-Royal	37	5,586	19,294,150	704,782	54,328,338	95,336,816
Outremont	73	3,235	8,902,414	307,450	26,516,761	49,068,616
Pointe-aux-Trembles	14	204	504,790	34,985	1,055,297	2,187,516
Pont-Viau	9	186	393,990	26,323	613,390	1,215,924
St-Laurent	70	14,434	53,991,677	1,754,971	58,455,872	159,926,828
St-Lambert	23	892	2,433,160	104,043	4,421,194	8,842,288
St-Michel	72	938	2,530,194	221,116	4,439,975	9,150,317
Verdun	75	1,754	4,410,455	142,866	9,428,391	17,233,306
Westmount	38	1,999	6,276,396	384,407	6,334,850	17,556,704
All other ¹	129	8,495	30,513,851	2,687,058	53,407,655	114,409,543
Totals, Metropolitan Montreal	5,147	240,288	750,385,954	47,051,284	1,808,114,819	3,331,614,743

1. Includes: Côte St-Luc, Greenfield Park, Hampstead, Jacques Cartier, Le Moyne, Mackayville, Montreal North, Montreal South, Notre Dame-de-Liesse Municipality, Pointe-Claire, St-Léonard-de-Port-Maurice Municipality, St-Joseph-de-la-Rivière-des-Prairies, St-Pierre, St-Raphaël-de-l'Île-Bizard, St-Joachim-de-la-Pointe-Claire, Ste-Anne-de-Bellevue, Ste-Anne-du-Bout-de-l'Île, Ste-Geneviève-de-Pierrefonds.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 — Continued

TORONTO METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Biscuits	5	1,401	3,720,233	262,231	7,646,722	18,967,594
Bread and other bakery products	204	6,054	17,307,648	1,520,939	24,599,039	55,155,804
Breweries	5	1,067	5,110,273	290,904	6,341,181	33,709,901
Butter and cheese	5	1,697	6,128,984	519,370	16,037,524	27,407,554
Confectionery	47	3,437	8,426,116	517,259	26,103,742	47,591,640
Dairy products, other	5	82	229,645	32,758	825,106	1,340,262
Feed mills	4	12	23,677	3,496	193,396	227,125
Feeds, stock and poultry prepared	13	596	1,931,958	167,733	15,946,579	21,033,799
Fruit and vegetable preparations	24	1,689	6,005,415	258,572	20,224,348	33,505,297
Miscellaneous food preparations	63	2,442	7,873,495	648,167	49,448,978	71,518,021
Sausage and sausage casings	19	270	705,833	55,757	3,569,446	5,089,756
Slaughtering and meat packing	19	5,266	20,343,810	1,318,319	150,133,959	199,572,509
Carbonated beverages	22	1,105	3,213,462	250,219	4,675,123	15,891,048
Wines	4	121	539,263	23,103	696,146	2,282,079
All other industries ¹	16	1,086	3,776,012	391,362	19,268,269	27,426,483
Totals	455	26,325	85,335,824	6,260,189	345,709,560	560,718,872
Tobacco and tobacco products:						
Tobacco, cigars and cigarettes	5	99	219,335	6,486	313,378	845,411
Totals	5	99	219,335	6,486	313,378	845,411
Rubber products:						
Rubber goods including footwear	11	5,690	21,201,593	1,363,928	44,825,654	106,884,379
Totals	11	5,690	21,201,593	1,363,928	44,825,654	106,884,379
Leather products:						
Footwear, leather	33	1,452	3,435,323	45,303	4,276,829	9,117,032
Gloves and mittens, leather	4	31	57,615	2,276	42,286	111,743
Miscellaneous leather goods	58	1,175	2,682,607	60,567	3,354,592	7,193,802
All other industries ²	6	633	1,920,517	155,018	4,997,103	9,023,722
Totals	101	3,291	8,096,062	263,164	12,670,810	25,446,299
Textile mills:						
Automobile accessories, fabric	5	24	56,215	3,528	86,333	185,976
Awnings, tents and sails	24	344	748,145	30,318	2,127,803	3,423,927
Bags, cotton and jute	5	120	262,436	13,656	1,632,761	2,054,880
Dyeing and finishing of textiles	11	253	773,232	43,609	335,463	1,677,349
Embroideries pleating and hemstitching	34	301	703,346	15,783	453,330	1,581,123
Miscellaneous cotton goods	4	115	274,852	24,432	1,025,596	1,511,915
Miscellaneous textile products	56	1,273	3,225,673	82,817	8,528,088	16,000,820
Miscellaneous woolen goods	13	412	1,381,772	91,823	6,633,416	9,404,157
Narrow fabrics	12	193	490,155	16,987	895,321	1,760,269
Woolen yarn	6	697	1,671,108	119,306	4,468,738	8,317,682
All other industries ³	16	1,522	4,912,968	288,144	10,099,148	17,224,293
Totals	186	5,254	14,499,902	730,403	36,285,967	63,142,391
Clothing:						
Clothing, children's factory	33	917	1,872,720	20,947	3,101,936	5,973,242
Clothing, contractors, men's	16	187	441,115	7,264	72,273	589,886
Clothing contractors, women's	12	90	196,560	4,104	81,786	379,206
Clothing, men's factory	113	6,890	17,192,170	191,510	25,181,310	50,392,053
Clothing, women's factory	206	5,560	14,663,186	177,103	23,007,051	44,171,890
Corsets	15	1,095	2,387,479	27,999	3,033,964	7,167,453
Fur dressing and dyeing	4	210	550,501	25,129	205,129	949,792
Fur goods	157	1,276	4,128,992	102,007	10,999,165	17,141,097
Hats and caps	51	1,025	2,513,673	53,480	2,686,217	6,532,382
Miscellaneous clothing	20	441	925,064	16,490	1,798,178	3,390,791
Oiled and waterproofed clothing	5	148	357,231	6,358	548,553	1,091,162
Totals	632	17,839	45,228,691	632,391	70,715,562	137,778,954
Knitting mills:						
Hosiery	13	556	1,419,600	38,044	1,931,327	4,361,033
Other knitted goods	34	1,726	4,180,208	124,775	9,140,672	15,661,824
Totals	47	2,282	5,599,808	162,819	11,071,999	20,022,857
Wood products:						
Boxes and baskets, wood	6	333	867,235	24,030	1,062,033	2,619,937
Flooring, hardwood	3	215	780,205	32,185	1,568,471	2,666,051
Furniture	300	5,030	14,962,854	503,419	29,114,079	53,798,760
Miscellaneous wood products	45	584	1,791,380	56,856	2,165,668	4,803,597
Sash door and planing mills	75	1,058	3,166,439	190,111	7,216,187	13,069,100
Woodturning	5	19	43,347	2,049	37,732	104,581
All other industries ⁴	10	214	623,664	25,768	609,155	1,421,305
Totals	444	7,453	22,235,324	834,418	41,773,325	78,481,331

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1953 — Continued

TORONTO METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Paper products:						
Boxes and bags, paper	51	4,009	13,375,413	394,216	34,460,374	57,529,916
Miscellaneous paper goods ⁵	74	3,779	11,902,293	508,657	26,541,270	50,629,391
Pulp and paper	7	1,517	8,365,574	1,286,126	11,594,203	23,015,232
Totals	132	9,305	33,643,280	2,188,999	72,595,847	131,175,139
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	45	2,015	9,407,904	164,881	3,643,521	16,826,417
Lithographing	34	1,641	6,275,691	108,809	8,204,878	18,561,170
Printing and bookbinding	398	8,544	29,217,230	658,775	30,511,143	82,844,888
Printing and publishing	50	7,155	31,641,670	606,983	26,474,836	82,759,711
Publishing (only) of periodicals	338	1,190	2,918,639	—	6,926,530	15,134,133
Trade composition	20	516	2,117,135	31,012	219,692	3,103,658
Totals	885	21,061	81,578,269	1,570,460	75,980,600	219,229,977
Iron and steel products:						
Boilers tanks and plate work	20	3,252	13,508,425	424,068	18,302,998	39,061,685
Bridgebuilding and structural steel	9	1,895	8,054,204	230,022	15,336,168	25,358,109
Castings iron	13	1,141	4,131,153	266,846	6,395,943	15,555,034
Hardware, tools and cutlery	111	2,948	10,612,106	442,215	11,955,751	31,707,840
Heating and cooking apparatus	31	2,808	10,046,919	395,059	20,286,233	40,619,861
Machine shops	76	819	2,635,584	95,956	1,688,300	6,542,735
Machinery, household, office and store	26	3,308	12,359,477	262,268	21,000,021	50,024,189
Machinery, industrial ⁶	71	8,636	32,882,976	772,016	39,165,115	85,881,824
Miscellaneous iron and steel products	81	3,147	11,700,522	675,656	10,384,668	30,269,493
Sheet metal products	83	5,626	19,697,832	802,056	36,184,461	72,070,164
Wire and wire goods	27	416	1,320,681	83,519	3,137,507	5,808,138
Totals	548	33,999	126,949,879	4,449,681	183,847,165	402,899,072
Transportation equipment:						
Motor vehicle parts	32	3,229	11,438,210	381,518	19,391,753	40,368,228
All other industries ⁷	16	4,531	16,197,249	493,083	23,021,632	44,918,149
Totals	48	7,760	27,635,459	874,601	42,413,385	85,286,377
Non-ferrous metal products:						
Aluminium products	30	1,467	5,140,282	336,635	5,161,013	13,881,047
Brass and copper products	37	2,581	10,470,814	705,858	41,539,468	62,469,310
Jewellery and silverware	82	2,043	5,646,366	181,879	14,420,778	23,531,642
Miscellaneous non-ferrous metal products	6	386	1,476,638	42,763	2,433,251	4,737,375
White metal alloys	15	1,417	4,827,920	410,150	19,926,779	32,593,918
Totals	170	7,894	27,561,820	1,677,285	83,481,289	137,213,292
Electrical apparatus and supplies:						
Batteries	6	1,185	4,850,668	259,494	14,971,584	24,397,413
Machinery, heavy electrical	29	5,592	21,264,047	410,863	23,586,852	54,572,661
Miscellaneous electrical apparatus and supplies	64	5,872	20,966,199	739,254	43,740,893	90,028,229
Refrigerators, vacuum cleaners and appliances	29	3,135	8,918,320	540,351	15,309,691	42,074,030
Telecommunication equipment	45	7,452	23,953,749	593,587	61,364,953	105,944,498
Totals	173	23,236	79,952,983	2,543,539	158,973,973	317,016,831
Non-metallic mineral products:						
Clay products from domestic clay	8	646	2,417,929	826,583	264,561	6,559,679
Concrete products	45	1,307	5,117,151	631,779	12,085,889	24,510,499
Glass and glass products	38	1,512	5,251,138	719,655	5,337,529	13,737,398
Miscellaneous non-metallic mineral products	11	88	371,608	16,724	1,101,408	2,172,188
Sand-lime brick	3	117	409,300	54,745	302,056	1,101,467
Stone products	21	501	1,885,504	176,499	1,721,639	4,683,353
All other industries ⁸	7	205	854,541	34,230	621,620	1,560,405
Totals	133	4,376	16,307,171	2,460,215	21,434,702	54,324,989
Products of petroleum and coal ⁹ :						
Totals	12	2,048	9,579,060	142,633	7,655,867	12,758,344

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 — Continued

TORONTO METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Chemicals and allied products:						
Acids, alkalis and salts	3	385	1,683,629	220,734	2,673,124	5,175,606
Adhesives	10	294	1,106,300	175,587	2,621,545	5,563,598
Fertilizers	3	95	282,823	12,760	2,532,404	3,503,129
Gases, compressed	6	429	1,453,652	93,082	537,404	2,970,962
Inks	20	356	3,012,703	106,519	5,208,693	12,325,286
Medicinal and pharmaceutical preparations	52	2,215	6,527,034	175,486	9,021,074	27,223,617
Miscellaneous chemical products	66	757	2,597,664	261,997	9,388,810	18,009,899
Paints, varnishes and lacquers	40	2,151	7,466,903	375,550	25,129,499	50,669,273
Polishes and dressings	18	268	817,659	29,745	2,598,658	5,926,749
Primary plastics	6	148	624,525	47,052	4,253,147	6,035,594
Soaps, washing compounds and cleaning preparations	37	2,462	9,313,810	757,217	26,487,871	56,589,320
Toilet preparations	38	935	2,633,258	49,805	5,667,598	16,732,602
All other industries	5	502	1,779,775	780,674	31,421,074	39,695,004
Totals	304	11,497	39,299,735	3,086,208	127,540,909	250,920,639
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	11	91	178,735	7,746	213,568	579,701
Brooms, brushes and mops	11	399	1,090,535	26,148	1,628,409	3,617,849
Buttons, buckles and fasteners	11	171	425,898	10,719	468,267	1,077,809
Clocks, watches and watch cases	11	289	93,264	13,030	3,673,217	6,564,872
Fountain pens and pencils	6	370	1,149,933	31,030	1,915,270	4,256,873
Hair goods	6	67	206,520	8,842	518,001	892,009
Ice, artificial	12	168	427,155	115,888	35,628	1,101,250
Lamps, electric and lamp shades	20	540	1,272,567	51,256	1,868,766	4,220,728
Models and patterns(excluding paper)	18	125	478,612	12,604	166,933	1,120,480
Musical instruments	11	381	1,181,757	61,913	1,225,497	3,091,435
Other miscellaneous goods	16	396	1,203,971	32,116	1,638,568	4,970,784
Plastic products	47	1,576	4,041,337	135,033	7,168,310	15,431,295
Scientific and professional equipment	50	3,302	12,753,146	371,169	13,108,499	37,646,663
Signs, electric, neon and other	68	661	2,160,239	97,823	2,002,657	5,527,528
Sporting goods	18	554	1,803,850	49,231	1,694,551	4,763,858
Stamps and stencils, rubber and metal	17	292	960,730	23,922	521,540	1,841,314
Statuary, art goods, regalia and novelties	37	347	905,513	28,604	794,305	2,191,817
Toys and games	22	759	1,735,294	49,134	3,451,782	6,635,028
Typewriter supplies	6	309	996,667	26,119	1,966,844	4,084,169
All other industries ¹¹	7	146	468,579	13,867	1,158,308	2,290,151
Totals	399	10,943	34,172,302	1,166,194	45,223,920	111,905,613
Grand Totals, Metropolitan Toronto	4,685	200,352	679,096,497	30,413,613	1,382,513,942	2,716,050,767

1. Includes: Animal oils and fats, 4; breakfast foods, 1; cheese processed, 3; distilled liquors, 3; flour mills, 1; macaroni and kindred products, 4.
2. Includes: Belting leather, 1; boots and shoe findings leather, 2; leather tanning, 3.
3. Includes: Carpets, mats and rugs, 3; cordage, rope and twine, 2; cotton thread, 2; cotton yarn and cloth, 2; linoleum and coated fabrics, 3; synthetic textiles and silk, 1; woollen cloth, 3.
4. Includes: Cooperage, 1; excelsior, 2; lasts, trees and shoe findings, 1; mortician's supplies, 1; sawmills, 2; woodenware, 3.
5. Includes: Roofing paper, 2.
6. Includes: Agricultural implements, 1; machine tools, 1.
7. Includes: Aircraft and parts, 6; bicycle and parts, 2; boatbuilding, 1; miscellaneous transportation, 2; motor vehicles, 1; railway rolling stocks, 3; shipbuilding, 1.
8. Includes: Abrasive products, 1; asbestos products, 2; clay products from imported clay, 4.
9. Includes: Miscellaneous products of petroleum and coal, 6; petroleum products, 6.
10. Includes: Coal tar distillation, 2; vegetable oils, 3.
11. Includes: Candles, 1; pipes, lighters and smokers' supplies, 4; umbrellas, 2.

The following Municipalities are Included in Greater Toronto

Metropolitan Area of Toronto	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Etobicoke Township	183	9,106	29,804,454	1,799,513	51,869,913	122,452,650
Forest Hill	11	40	91,900	6,653	152,193	320,870
Leaside	50	7,612	26,825,121	1,115,661	61,958,650	122,363,939
Long Branch	26	1,435	5,071,859	240,322	9,081,479	18,561,042
Mimico	44	937	2,942,114	119,128	4,883,528	10,801,854
New Toronto	40	7,024	28,500,789	1,959,545	97,947,853	187,316,070
Scarboro Township	212	8,918	28,145,377	1,810,532	49,381,558	113,430,443
Swansea	19	900	2,969,829	272,055	5,854,023	12,314,905
Toronto — city proper	3,497	134,235	448,775,761	18,788,747	916,493,539	1,732,099,123
Weston	67	3,951	13,995,775	682,023	27,576,336	54,447,248
York Township	235	11,715	43,472,999	1,538,486	70,471,403	159,021,859
York East Township	90	4,708	15,411,822	955,153	25,069,488	62,160,814
York North Township	211	9,771	33,088,697	1,125,795	61,773,979	120,759,950
Totals, Metropolitan Toronto	4,685	200,352	679,096,497	30,413,613	1,382,513,942	2,716,050,767

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 - Continued

HAMILTON METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Bread and other bakery products	54	1,315	3,494,044	312,634	3,726,866	8,694,040
Confectionery	9	225	642,204	29,824	1,410,755	3,701,733
Feed mills	6	23	56,030	12,272	391,467	504,188
Feeds, stock and poultry, prepared	6	29	57,281	6,263	137,611	226,827
Fruit and vegetable preparations	17	1,323	2,801,535	174,936	8,786,184	13,396,081
Carbonated beverages	11	173	482,613	67,604	778,452	2,391,718
All other industries ¹	28	1,557	5,019,439	435,818	34,140,459	47,704,495
Totals	131	4,645	12,553,146	1,039,351	49,371,794	76,619,082
Leather products²:						
Totals	5	320	740,770	9,011	1,033,123	2,091,514
Textile mills:						
Awnings, tents and sails	6	67	158,556	3,356	115,738	434,473
Cotton yarn and cloth	6	2,279	5,663,248	352,843	10,847,878	20,932,295
Miscellaneous textile products	4	22	40,197	1,401	85,597	150,712
All other industries ³	11	688	1,932,771	112,670	4,139,513	8,151,997
Totals	27	3,056	7,794,772	470,270	15,188,726	29,669,477
Knitting mills⁴:						
Totals	9	2,028	4,527,221	178,479	5,938,205	13,469,235
Clothing:						
Clothing, men's factory	8	929	1,903,084	34,244	2,839,600	5,612,710
Fur goods	4	22	47,870	1,873	96,588	171,855
All other industries ⁵	5	66	135,247	1,743	137,224	367,386
Totals	17	1,017	2,086,201	37,860	3,073,412	6,151,951
Wood products:						
Boxes and baskets, wood	4	100	222,807	7,698	283,052	721,199
Furniture	29	229	743,642	28,281	525,367	1,519,124
Miscellaneous wood products	4	18	46,519	16,397	55,973	152,639
Sash, door and planing mills	14	436	1,529,650	90,529	4,003,578	5,638,247
All other industries ⁶	7	142	357,658	12,555	600,795	1,316,755
Totals	58	925	2,900,276	155,460	5,468,765	9,347,964
Paper products:						
Boxes and bags, paper	12	901	3,082,672	132,865	10,104,614	16,307,572
Miscellaneous paper goods ⁷	9	771	2,397,993	118,572	6,969,359	11,791,756
Totals	21	1,672	5,480,665	249,437	17,073,973	28,099,328
Printing, publishing and allied industries:						
Engraving, electrotyping and stereotyping	6	147	761,764	14,601	187,300	1,315,549
Printing and bookbinding	57	603	2,042,750	54,764	3,306,132	6,591,019
Publishing (only) of periodicals	20	210	107,264	—	217,569	378,878
All other industries ⁸	12	808	2,851,760	54,064	2,616,166	8,546,091
Totals	95	1,768	5,763,538	123,429	6,329,167	16,831,537
Iron and steel products:						
Hardware, tools and cutlery	19	666	2,392,017	99,377	2,115,505	6,005,395
Machine shops	14	157	512,097	20,375	659,711	1,562,759
Machinery, industrial	12	1,322	5,397,445	307,007	7,666,119	16,085,077
Miscellaneous iron and steel products	19	206	712,473	24,025	1,054,009	2,184,329
Sheet metal products	22	1,609	6,389,292	215,885	10,814,732	18,700,782
Wire and wire goods	18	2,752	11,146,413	621,155	22,822,892	43,134,106
All other industries ⁹	30	16,290	69,723,320	16,053,271	127,546,669	299,558,414
Totals	134	23,002	96,273,057	17,341,095	172,679,637	387,230,862
Transportation equipment¹⁰:						
Totals	8	2,031	7,725,890	513,970	21,554,634	34,476,640
Non-ferrous metal products:						
Brass and copper products	8	421	1,565,632	104,415	4,438,147	7,381,347
Jewellery and silverware	5	107	281,397	7,140	380,702	914,558
All other industries ¹¹	10	357	1,213,870	138,066	2,760,330	5,338,530
Totals	23	885	3,060,899	249,621	7,579,233	13,634,435

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955— Continued

HAMILTON METROPOLITAN AREA— Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Electrical apparatus and supplies ¹² :						
Totals	22	9,488	34,175,698	1,013,066	27,260,031	90,325,711
Non-metallic mineral products:						
Clay products from domestic clay	5	504	1,719,340	188,937	1,077,780	3,677,867
Clay products from imported clay	7	237	747,966	247,046	21,062	1,936,554
Concrete products	17	358	1,191,714	131,841	1,787,376	5,094,222
Stone products	6	150	404,659	42,283	673,825	1,878,290
All other industries ¹³	11	1,198	4,076,904	883,603	4,677,217	13,160,877
Totals	46	2,447	8,140,583	1,493,710	8,237,260	25,747,810
Products of petroleum and coal ¹⁴ :						
Totals	7	839	3,208,996	1,626,936	22,014,573	42,338,135
Chemicals and allied products:						
Miscellaneous chemical products	12	243	965,537	58,427	3,664,992	7,067,141
All other industries ¹⁵	26	1,117	4,442,913	481,369	23,076,938	46,156,949
Totals	38	1,360	5,408,450	539,796	26,741,930	53,224,090
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	7	274	792,084	23,600	1,270,131	2,947,345
Ice, artificial	3	20	57,986	17,852	5,775	97,623
Scientific and professional equipment	5	28	62,824	1,362	59,746	151,580
Signs, electric, neon and others	15	109	277,435	18,456	236,701	757,216
Sporting goods	3	18	41,040	800	31,860	89,577
Toys and games	5	111	263,016	13,543	744,144	1,173,902
All other industries ¹⁶	15	207	589,036	10,708	632,022	1,566,158
Totals	53	767	2,083,421	86,321	2,980,379	6,783,401
All other major groups:						
Totals	6	2,087	7,597,412	412,379	22,622,124	46,639,912
Grand Totals Metropolitan Hamilton	700	58,337	209,520,995	25,540,191	415,146,966	882,681,084

1. Includes: Animal oils and fats, 1; biscuits, 3; breweries, 1; butter and cheese, 3; flour mills, 1; macaroni and kindred products, 1; miscellaneous food preparations, 9; sausage and sausage casings, 5; slaughtering and meat packing, 4.
2. Includes: Belting, leather, 1; footwear leather, 3; miscellaneous leather, goods, 1.
3. Includes: Bags, cotton and jute, 1; carpets, mats and rugs, 1; cordage, rope and twine, 1; cotton thread, 1; dyeing and finishing of textiles, 1; embroideries, pleating and hemstitching, 2; miscellaneous woollen goods, 2; narrowfabrics, 1; woollen yarns, 1.
4. Includes: Hosiery, 2; other knitted goods, 7.
5. Includes: Clothing, women's factory, 1; corsets, 1; hats and caps, 3.
6. Includes: Cooperage, 1; flooring, hardwood, 1; lasts, trees and shoe findings, 1; mortician's supplies, 2; sawmills, 1; woodturning, 1.
7. Includes: Roofing paper, 2.
8. Includes: Lithographing, 2; printing and publishing, 8; trade composition, 2.
9. Includes: Agricultural implements, 1; boilers, tanks and platework, 4; castings, iron, 8; fabricated and structural steel, 1; heating and cooking apparatus, 4; machine tools, 3; machinery, household, office and store, 3; primary iron and steel, 6.
10. Includes: Boatbuilding, 1; motor vehicles, 1; motor vehicle parts, 2; railway rolling stock, 4.
11. Includes: Aluminum products, 4; miscellaneous non-ferrous metal products, 1; white metal alloys, 5.
12. Includes: Batteries, 2; machinery, heavy electrical, 3; miscellaneous electrical apparatus and supplies, 8; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 4.
13. Includes: Asbestos products, 3; abrasive products, 3; glass and glass products, 3; miscellaneous non-metallic mineral products, 2.
14. Includes: Coke and gas products, 4; miscellaneous products of petroleum and coal, 2; petroleum products, 1.
15. Includes: Acids, alkalies and salts, 1; coal tar distillation, 1; fertilizers, 1; gases, compressed, 1; medicinal and pharmaceutical preparations, 3; paints, varnishes and lacquers, 3; polishes and dressings, 5; soaps, washing compounds and cleaning preparations, 7; toilet preparations, 3; vegetable oils, 1.
16. Includes: Buttons, buckles and fasteners, 1; lamps, electric and lamp shades, 1; models and patterns (excluding paper) 4; plastics products, 4; stamps and stencils, rubber and metal, 5.

The Following Municipalities are Included in Greater Hamilton

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Burlington	21	792	2,298,651	110,449	6,408,215	9,840,522
Dundas	36	1,194	3,817,274	334,823	4,659,010	10,728,010
Hamilton	588	55,202	200,311,361	24,807,502	395,047,070	844,835,085
Waterdown	6	34	63,734	6,741	187,114	267,045
Barton Township	10	71	206,220	25,761	371,624	836,658
All other ¹	39	1,044	2,823,755	255,115	8,473,933	16,173,764
Totals, Metropolitan Hamilton	700	58,337	209,520,995	25,540,191	415,146,966	882,681,084

1. Includes: Stoney Creek; Ancaster Township; Flamborough East Township; Flamborough West Township; Nelson Township; Salt Fleet Township.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 — Continued

WINDSOR METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Bread and other bakery products	21	509	1,334,585	146,171	1,555,061	3,640,613
Butter and cheese	4	397	1,486,648	124,185	3,237,530	5,946,034
Confectionery	3	5	12,817	1,453	21,797	43,862
Miscellaneous food preparations	6	18	34,601	5,297	113,128	223,514
Sausage and sausage casings	3	21	56,020	4,387	223,180	373,911
Carbonated beverages	7	99	288,097	43,685	576,615	1,645,217
All other industries ¹	17	1,864	6,561,667	555,210	20,344,462	52,483,534
Totals	61	2,913	9,774,435	880,388	26,071,773	54,356,585
Textile mills²:						
Totals	9	745	2,322,782	83,644	3,677,048	7,832,379
Clothing³:						
Totals	10	244	489,427	11,546	825,495	1,624,200
Wood products:						
Furniture	24	107	360,301	23,643	733,949	1,307,780
Sash, door and planing mills	15	89	217,190	16,409	229,746	605,855
All other industries ⁴	41	41	104,943	6,360	225,084	431,692
Totals	5	237	682,434	46,412	1,188,779	2,345,327
Printing, publishing and allied industries:						
Printing and bookbinding	30	257	777,537	27,089	621,974	1,858,741
Publishing (only) of periodicals	12	9	10,108	—	57,440	73,889
All other industries ⁵	7	408	1,932,026	37,902	1,188,909	4,811,657
Totals	49	674	2,719,671	64,991	1,868,323	6,744,287
Iron and steel products						
Hardware, tools and cutlery	33	837	3,639,651	119,943	2,785,214	8,628,172
Machine shops	3	47	162,214	6,563	83,004	292,394
Machinery, industrial	9	688	2,642,399	73,622	3,824,012	3,569,618
All other industries ⁶	32	5,012	20,429,125	1,569,227	23,751,661	53,858,858
Totals	77	6,584	26,873,389	1,769,355	30,443,891	71,349,042
Transportation equipment⁷:						
Totals	28	21,813	89,786,074	2,837,238	252,868,281	402,855,408
Non-ferrous metal products:						
Brass and copper products	5	143	357,999	11,819	966,162	1,828,144
All other industries ⁸	6	50	156,064	6,415	710,269	982,350
Totals	11	193	514,063	18,234	1,676,431	2,810,494
Electrical apparatus and supplies⁹:						
Totals	6	79	246,129	20,585	625,558	1,148,758
Non-metallic mineral products:						
Concrete products	9	252	842,275	109,106	1,981,825	3,794,037
All other industries ¹⁰	8	687	2,713,367	559,488	5,497,310	14,376,058
Totals	17	939	3,555,642	668,594	7,479,135	18,170,095

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 - Continued

WINDSOR METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Chemicals and allied products:						
Medicinal and pharmaceutical preparations	10	897	3,321,666	86,780	4,807,222	17,198,490
Miscellaneous chemical products	7	37	136,206	9,578	244,992	636,888
Toilet preparations	4	20	36,650	1,150	38,250	86,864
Soaps, washing compounds and cleaning prepara- tions	5	22	53,687	4,710	132,439	214,608
All other industries ¹¹	7	622	2,498,393	1,185,137	3,484,963	13,173,448
Totals	33	1,598	6,046,602	1,287,355	8,707,866	31,310,298
Miscellaneous Manufacturing industries:						
Models and Patterns (excluding paper)	5	46	195,918	5,239	40,309	325,860
Signs, electric, neon and other	7	33	128,025	11,367	58,867	271,345
Sporting goods	7	52	159,487	4,387	256,115	567,330
All other industries ¹²	19	255	752,766	63,722	1,325,868	3,430,048
Totals	38	386	1,236,196	84,715	1,681,159	4,594,583
Other major groups ¹³ :						
Totals	4	123	390,978	14,624	1,321,362	2,157,802
Grand Totals, Metropolitan Windsor	387	36,528	144,637,822	7,787,681	338,435,101	617,299,358

1. Includes: Breakfast foods, 1; breweries, 3; dairy products, other, 1; distilled liquors, 1; fruit and vegetable preparations, 5; slaughtering and meat packing, 3; stock and poultry feeds, prepared, 3.

2. Includes: Automobile accessories, fabric, 2; awnings, tents and sails, 3; bags, cotton and jute, 1; miscellaneous cotton goods, 1; miscellaneous textiles, 2.

3. Includes: Clothing, children's factory, 1; clothing, men's factory, 3; fur goods, 4; gloves and mittens, fabric, 1; oiled and waterproofed clothing, 1.

4. Includes: Boxes and baskets, wood, 1; miscellaneous wood products, 2; sawmills, 1; woodturning, 1.

5. Includes: Engraving, stereotyping and electrotyping, 2; lithographing, 1; printing and publishing, 2; trade composition, 2.

6. Includes: Agricultural implements, 1; boilers, tanks and plate work, 1; castings, iron, 6; fabricated and structural steel, 2; heating and cooking apparatus, 1; machine tools, 1; machinery, household, office and store, 2; miscellaneous iron and steel products, 7; primary iron and steel, 1; sheet metal products, 8; wire and wire goods, 2.

7. Includes: Boatbuilding, 1; motor vehicles, 2; motor vehicle parts, 25.

8. Includes: Aluminum products, 2; jewellery and silverware, 3; white metal alloys, 1.

9. Includes: Batteries, 1; machinery, heavy electrical, 1; miscellaneous electrical apparatus and supplies, 1; refrigerators, vacuum cleaners and appliances, 1; telecommunication equipment, 2.

10. Includes: Glass and glass products, 3; miscellaneous non-metallic mineral products, 1; salt, 2; stone products, 2.

11. Includes: Acids, alkalies and salts, 1; gases, compressed, 1; paints, varnishes and lacquers, 5.

12. Includes: Brooms, brushes and mops, 1; buttons, buckles and fasteners, 1; clocks, watches and watch cases, 1; ice, artificial, 2; musical instruments, 1; pipes lighters and smokers' supplies, 1; plastic products, 6; stamps and stencils, rubber and metal, 2; statuary, art goods, regalia and novelties, 1; scientific and professional equipment, 2; toys and games, 1.

13. Includes: Rubber products, 2; paper products - boxes and bags, paper, 1; miscellaneous paper goods, 1.

The Following Municipalities are Includes in Greater Windsor

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Riverside	8	133	459,312	146,498	1,173,430	1,933,791
Windsor	334	25,654	101,810,378	4,975,650	186,275,443	374,512,418
Sandwich East Township	19	9,575	37,959,076	1,347,827	141,612,972	217,060,624
Sandwich South Township	4	15	16,023	2,427	79,079	154,718
All other ¹	22	1,151	4,393,033	1,315,279	9,294,177	23,637,807
Totals, Metropolitan Windsor	387	36,528	144,637,822	7,787,681	338,435,101	617,299,358

1. Includes: Lasalle; Ojibway; St. Clair Beach; Tecumseh; Sandwich West Township.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 - Continued

WINNIPEG METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Bread and other bakery products	60	1,065	3,015,218	298,979	4,252,494	9,807,946
Breweries	6	560	2,261,594	171,294	1,996,040	11,754,695
Butter and cheese	9	808	2,508,101	246,181	9,252,041	13,378,781
Confectionery	13	324	689,003	43,234	1,680,674	3,007,567
Feed mills	5	14	30,682	6,801	282,175	363,136
Feeds, stock and poultry, prepared	19	175	518,075	82,923	5,587,042	6,976,410
Flour mills	4	556	1,575,090	167,992	20,992,646	24,357,504
Fruit and vegetable preparations	8	137	292,664	31,185	1,044,267	1,781,289
Miscellaneous food preparations	22	593	1,897,124	314,512	13,442,253	19,116,920
Sausage and sausage casings	8	147	456,227	37,063	2,434,569	3,058,119
Slaughtering and meat packing	11	2,884	10,497,317	547,422	70,667,832	93,587,453
Carbonated beverages	10	259	780,686	102,583	1,633,473	4,323,367
All other industries ¹	11	629	1,797,447	370,959	6,632,327	11,358,566
Totals	186	8,151	26,319,228	2,421,128	139,897,833	202,871,753
Leather products:						
Footwear, leather	7	313	609,767	11,502	1,419,098	2,361,681
Gloves and mittens, leather	8	210	412,559	8,456	715,686	1,368,173
Miscellaneous leather, goods ²	9	180	437,536	23,048	880,706	1,675,144
Totals	24	703	1,459,862	43,006	3,015,490	5,404,998
Textile mills:						
Awnings, tents and sails	6	51	106,579	6,255	215,172	366,665
Bags, cotton and jute	4	206	573,132	26,992	4,647,304	5,575,614
Embroideries, pleating and hemstitching	6	40	75,721	3,949	42,841	169,260
Miscellaneous textiles	12	89	172,633	4,833	455,723	738,102
All other industries ³	5	50	113,055	5,398	195,583	402,878
Totals	33	436	1,041,120	47,427	5,556,623	7,252,519
Clothing and knitting mills:						
Clothing, children's factory	8	330	621,524	15,075	1,113,149	2,294,959
Clothing, men's factory	47	2,610	5,097,404	82,191	12,358,700	19,887,766
Clothing, women's factory	27	1,648	3,752,564	39,837	7,437,013	12,719,630
Fur dressing and dyeing	4	181	476,335	12,412	112,843	828,796
Fur goods	48	513	1,403,730	23,284	2,533,626	4,340,750
Hats and caps	13	349	696,041	12,137	687,615	1,773,678
All other industries ⁴	7	112	201,573	7,993	474,485	867,291
Totals	154	5,743	12,249,171	192,929	24,717,431	42,712,870
Wood products:						
Boxes and baskets, wood	4	109	252,676	12,333	395,482	850,220
Furniture	109	1,672	4,382,431	165,666	8,881,336	16,163,706
Miscellaneous wood products	7	75	180,712	25,223	274,993	629,272
Sash, door and planing mills	19	456	1,251,945	61,499	1,978,891	3,695,659
All other industries ⁵	3	60	182,507	10,522	284,192	709,333
Totals	142	2,372	6,250,271	275,243	11,814,894	22,048,190

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1955 — Continued**

WINNIPEG METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Paper products:						
Boxes and bags, paper.....	9	607	1,826,140	76,188	5,243,647	8,715,530
Miscellaneous paper goods	7	208	485,795	27,921	2,379,377	4,812,608
All other industries ⁶	6	240	679,104	166,579	1,523,116	3,693,588
Totals	22	1,055	2,991,039	270,688	9,146,140	17,221,726
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	6	195	795,116	11,323	166,726	1,211,028
Printing and bookbinding	74	1,234	3,796,148	81,422	3,174,577	9,684,463
Printing and publishing	26	1,547	4,760,166	105,853	4,293,564	13,950,724
Publishing (only) of periodicals	95	175	337,009	—	814,314	1,504,164
All other industries ⁷	4	207	547,450	7,017	363,308	1,121,628
Totals	205	3,358	10,235,889	205,615	8,812,489	27,472,007
Iron and steel products:						
Agricultural implements	12	306	975,088	69,748	2,111,534	4,014,012
Machine shops	28	269	828,795	30,129	524,180	1,905,841
Machinery, industrial	9	354	1,161,012	38,532	1,092,110	3,085,152
Miscellaneous iron and steel products	10	602	2,180,803	90,005	2,754,235	6,215,818
Sheet metal products	20	886	2,944,089	98,389	5,047,045	9,560,763
All other industries ⁸	17	1,462	5,777,934	200,396	9,048,412	21,209,088
Totals	96	3,879	13,867,721	527,199	20,577,516	45,990,674
Transportation Equipment:						
Boatbuilding	4	19	35,128	2,598	38,697	97,471
Motor vehicle parts	11	261	753,576	27,672	1,148,178	2,687,419
Railway rolling stock	4	4,512	14,603,629	493,176	13,258,120	28,149,876
All other industries ⁹	3	1,363	4,287,142	117,866	4,011,415	10,435,215
Totals	22	6,155	19,679,475	641,312	18,456,410	41,369,981
Non-ferrous metal products:						
Brass and copper products	5	141	478,456	43,139	1,835,829	2,848,936
Jewellery and silverware	4	30	77,208	1,861	145,257	319,717
White metal alloys	3	76	197,789	34,545	1,354,856	1,626,766
All other industries ¹⁰	4	5	6,631	1,292	11,447	28,832
Totals	16	252	760,084	80,837	3,347,389	4,824,251
Electrical apparatus and supplies:						
Miscellaneous electrical apparatus and supplies ..	7	145	359,585	20,881	1,028,637	1,809,421
All other industries ¹¹	11	673	2,104,017	64,512	3,959,870	8,957,944
Totals	18	818	2,463,602	85,393	4,988,507	10,767,365
Non-metallic mineral products and products of petro- leum and coal:						
Glass and glass products	4	27	65,379	9,543	63,830	183,160
Miscellaneous non-metallic mineral products	3	27	75,134	14,831	79,147	256,282
Stone products	5	41	139,939	6,063	120,797	345,082
All other industries ¹²	14	1,521	5,412,040	3,004,298	28,325,850	52,267,202
Totals	26	1,616	5,692,492	3,034,735	28,589,624	53,051,726

See footnotes on page 157.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 - Continued

WINNIPEG METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Chemicals and allied products:						
Gases, compressed	3	93	277,151	19,219	176,896	934,232
Medicinal and pharmaceutical preparations	7	127	312,664	12,014	542,244	1,403,868
Miscellaneous chemical products	5	106	223,880	8,462	374,152	550,549
Paints, varnishes and lacquers	5	239	665,450	31,859	2,609,470	4,602,929
Soaps, washing compounds and cleaning prepara- tions	7	43	95,957	9,911	499,792	1,101,503
All other industries ¹³	9	72	206,410	32,503	1,049,197	1,665,944
Totals	36	680	1,781,512	113,968	5,251,751	10,259,025
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	5	100	253,959	8,038	462,717	835,617
Scientific and professional equipment	11	47	112,064	7,513	94,579	280,332
Signs, electric, neon and other	11	190	596,117	47,312	310,311	1,571,565
Stamps and stencils rubber and metal	5	15	45,016	441	17,415	71,693
Statuary art goods, regalia and novelties	9	95	178,125	5,032	134,304	429,586
All other industries ¹⁴	14	222	446,848	27,305	1,694,361	2,721,319
Totals	55	669	1,632,129	95,641	2,713,687	5,910,112
All other major groups:						
Totals	3	11	15,594	657	43,443	97,737
Grand Totals, Metropolitan Winnipeg	1,038	35,898	106,439,189	8,035,778	286,929,227	497,254,934

1. Includes: Animal oils and fats, 2; biscuits, 2; breakfast foods, 3; cheese, processed, 1; macaroni and kindred products, 2; sugar refining, 1.
2. Includes: Leather tanneries, 1.
3. Includes: Automobile accessories, fabric, 2; carpets, mats and rugs, 2; narrow fabrics, 1.
4. Includes: Clothing contractors, men's, 1; miscellaneous clothing, 3; other knitted goods 3.
5. Includes: Excelsior, 1; mortician's supplies, 2.
6. Includes: Pulp and paper mills, 2; roofing paper, 4.
7. Includes: Lithographing, 2; trade composition, 2.
8. Includes: Boilers, tanks and plate work, 2; castings iron 6; fabricated and structural steel, 2; hardware, tools and cutlery, 2; heating and cooking apparatus, 1; machinery, household, office and store, 2; wire and wire goods, 2.
9. Includes: Aircraft and parts, 1; motor vehicles, 2.
10. Includes: Aluminum products, 1; miscellaneous non-ferrous metal products, 3.
11. Includes: Batteries, 3; machinery, heavy electrical, 2; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 1.
12. Includes: Cement, hydraulic, 1; Clay products from domestic clay, 1; concrete products, 3; gypsum products, 2; lime, 2; also: coke and gas products, 1; miscellaneous products of petroleum and coal, 1; petroleum products, 3.
13. Includes: Adhesives, 1; coal tar distillation, 2; inks, 2; toilet preparations, 2; vegetable oils 2.
14. Includes: Artificial flowers and feathers, 1; clocks, watches and watch cases, 2; hair goods, 1; ice, artificial, 1; lamps, electric and lamp shades, 2; models and patterns (excluding paper), 1; plastic products, 4; sporting goods, 1; toys and games, 1.

The Following Municipalities are Included in Greater Winnipeg

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
St. James	32	1,838	5,472,020	299,457	7,859,489	19,137,846
St. Boniface	96	4,581	15,433,362	1,412,356	93,129,678	125,244,146
Winnipeg	873	26,392	75,281,647	3,541,450	152,575,494	291,084,611
Kildonan East and North Municipalities	18	437	1,513,911	792,857	17,370,903	29,511,655
All others ¹	19	2,650	8,738,249	1,989,658	15,993,663	32,276,676
Totals, Metropolitan Winnipeg	1,038	35,898	106,439,189	8,035,778	286,929,227	497,254,934

1. Includes: Brooklands, Transcona, Tuxedo, Fort Garry Municipality, St. Vital Municipality, Charleswood Municipality, Kildonan West Municipality, Assiniboia Municipality.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 — Continued

VANCOUVER METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Foods and beverages:						
Bread and other bakery products	143	1,750	5,469,388	443,425	7,354,192	15,811,359
Breweries	3	409	1,646,138	117,913	2,302,629	11,117,561
Butter and cheese	12	1,382	4,768,622	423,868	12,384,551	19,337,376
Confectionery	26	264	579,132	36,655	1,342,326	2,621,032
Dairy products, other	7	105	315,568	43,492	1,150,245	2,056,811
Feeds, stock and poultry, prepared	9	512	1,550,808	128,155	7,785,572	10,567,511
Fish processing	44	1,723	5,196,046	347,775	25,160,037	38,418,905
Foods, breakfast	3	16	24,808	1,777	80,937	132,144
Fruit and vegetable preparations	25	969	2,287,288	176,942	9,621,683	14,566,513
Miscellaneous food preparations	39	863	2,378,791	139,248	35,426,568	41,757,091
Sausage and sausage casings	9	125	425,616	32,013	1,473,506	2,389,721
Slaughtering and meat packing	8	1,456	5,499,700	303,845	41,750,707	49,772,407
Carbonated beverages	8	208	647,801	90,738	958,073	3,676,865
All other industries ¹	12	1,182	4,158,620	553,902	16,150,908	27,074,953
Totals	348	10,964	34,948,326	2,839,748	162,941,934	239,300,249
Leather products:						
Gloves and mittens leather	6	246	606,701	14,001	1,046,268	1,798,218
All other industries ²	11	246	565,548	19,173	974,283	2,095,341
Totals	17	492	1,172,249	33,174	2,020,551	3,893,559
Textile mills:						
Awnings, tents and sails	8	196	328,654	7,348	672,538	1,169,040
Miscellaneous textiles	6	38	111,205	6,970	319,685	557,954
All other industries ³	20	434	1,213,696	77,121	3,359,691	5,756,264
Totals	34	668	1,653,555	91,439	4,351,914	7,483,258
Clothing and knitting mills:						
Clothing, men's factory	20	614	1,293,899	29,584	2,317,229	4,415,489
Clothing, women's factory	23	727	1,689,883	27,436	2,724,053	5,094,643
Fur goods	20	91	180,527	7,287	272,239	601,350
All other industries ⁴	7	270	611,267	14,343	789,389	1,954,893
Totals	70	1,702	3,775,576	78,650	6,102,910	12,066,375
Wood products:						
Boxes and baskets, wood	12	55	138,325	11,502	237,317	476,432
Furniture	153	1,827	5,412,455	177,610	8,506,763	16,754,674
Miscellaneous wood products	31	530	1,709,286	127,244	5,217,201	8,305,724
Morticians' supplies	4	74	194,785	6,391	332,307	623,900
Sask, door and planing mills	70	1,247	4,292,999	207,420	10,142,479	17,924,966
Sawmills	104	10,535	40,289,482	1,594,623	86,236,642	160,515,873
Veneers and plywoods	10	3,524	12,419,321	464,774	22,258,584	47,267,127
Woodenware	3	44	107,734	4,536	135,248	299,968
All other industries ⁵	6	121	391,212	17,878	813,849	1,522,973
Totals	393	17,957	64,955,599	2,611,978	133,880,390	253,001,637
Paper products:						
Boxes and bags paper	16	1,008	3,111,758	109,567	10,315,619	17,016,868
Miscellaneous paper goods	12	687	2,134,747	79,853	9,106,375	13,709,105
All other industries ⁶	5	935	4,578,327	785,906	7,914,273	14,361,572
Totals	33	2,630	9,824,832	975,326	27,336,267	45,087,545

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 - Continued

VANCOUVER METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Printing, publishing and allied industries:						
Engraving, electrotyping and stereotyping	9	120	537,830	12,427	139,981	940,255
Lithographing	9	244	969,172	21,643	1,126,260	2,673,119
Printing and book binding	108	1,008	3,311,506	92,954	2,311,861	7,195,593
Printing and publishing	22	2,017	8,143,220	107,954	5,326,164	19,938,531
Publishing (only) of periodicals	117	265	526,813	—	1,405,607	3,193,693
Trade composition	3	21	58,400	1,150	2,360	86,850
Totals	268	3,675	13,546,941	236,128	10,312,233	34,028,041
Iron and steel products:						
Boilers tanks and plate work	15	436	1,769,326	96,440	2,143,263	3,969,301
Castings, iron	15	632	2,170,228	97,213	1,801,330	4,645,773
Hardware, tools and cutlery	18	484	1,611,888	93,404	2,850,821	7,125,338
Heating and cooking apparatus	12	300	910,980	36,823	1,594,320	3,124,865
Machine shops	47	497	1,887,709	68,803	1,136,843	4,035,256
Machinery, industrial	40	1,651	6,447,564	216,574	5,695,023	18,326,081
Miscellaneous iron and steel products	30	363	1,342,374	104,071	2,298,805	4,957,421
Primary iron and steel	6	399	1,452,983	304,350	1,517,364	5,800,817
Sheet metal products	28	937	3,632,939	146,875	11,591,225	19,618,638
Wire and wire goods	13	330	1,254,027	57,124	3,340,540	5,756,324
All other industries ⁷	7	1,393	5,757,933	252,262	11,447,481	20,246,077
Totals	231	7,422	28,237,951	1,473,939	45,417,015	97,605,891
Transportation equipment:						
Boatbuilding	38	211	638,439	18,276	554,891	1,560,687
Motor vehicle parts	16	271	957,584	34,389	1,325,306	2,961,519
Shipbuilding	16	1,950	7,417,058	200,368	2,909,892	18,200,318
All other industries ⁸	4	291	1,117,889	23,077	1,855,972	3,824,043
Totals	74	2,723	10,130,970	276,110	6,646,061	26,546,567
Non-ferrous metal products:						
Aluminum products	7	94	286,044	21,729	232,494	1,073,765
Brass and copper products	12	150	567,809	37,109	872,834	1,683,126
Jewellery and silverware	13	105	274,483	3,861	285,275	686,551
All other industries ⁹	5	94	333,128	29,758	1,271,246	1,956,165
Totals	37	443	1,461,464	92,457	2,661,849	5,399,607
Electrical apparatus and supplies:						
Batteries	5	67	207,326	15,110	492,155	874,049
Miscellaneous electrical apparatus and supplies	12	203	744,656	36,952	3,722,446	5,220,043
Telecommunication equipment	10	129	387,107	18,123	560,665	1,228,101
All other industries ¹⁰	6	274	941,508	26,095	1,874,543	3,489,604
Totals	33	673	2,280,597	96,280	6,649,809	10,811,797
Non-metallic mineral products:						
Clay products from domestic clay	4	38	152,917	20,981	300	164,487
Concrete products	19	589	2,158,369	199,526	3,093,744	6,560,882
Glass products	8	75	186,783	6,199	274,573	557,700
Stone products	6	106	361,240	39,681	425,286	1,319,324
All other industries ¹¹	8	229	796,266	194,011	1,484,575	4,005,414
Totals	45	1,037	3,655,575	460,398	5,278,478	12,607,807

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1955 — Concluded

VANCOUVER METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Chemicals and allied products:						
Gases, compressed	4	104	350,222	40,021	299,789	1,314,617
Medicinal and pharmaceutical preparations	7	38	84,466	4,298	144,760	339,831
Miscellaneous chemical products	18	80	218,980	14,390	507,737	932,876
Paints, varnishes and lacquers	10	247	897,032	44,743	2,465,659	4,296,896
Primary plastics	3	70	318,721	27,192	2,829,542	4,455,405
Soaps, washing compounds and cleaning prepara- tions	11	84	235,976	15,412	351,312	1,236,031
Toilet preparations	4	5	4,650	790	6,680	20,564
All other industries ¹²	14	119	402,705	52,225	2,264,679	3,299,461
Totals	71	747	2,512,752	199,071	8,870,158	15,895,681
Miscellaneous manufacturing industries:						
Ice, artificial	6	31	97,865	53,452	18,052	250,700
Lamps electric and lamp shades	5	57	162,631	7,539	186,462	389,437
Models and patterns (excluding paper)	5	22	100,251	1,637	17,966	148,953
Plastic products	9	53	115,805	6,179	278,978	483,924
Scientific and professional equipment	8	25	61,708	3,377	34,261	125,571
Signs, electric, neon and other	27	461	1,727,072	51,969	1,156,724	4,206,642
Sporting goods	9	63	135,653	8,567	192,777	412,893
Stamps and stencils, rubber and metal	7	56	164,462	6,096	65,636	339,294
Statuary, art goods, regalia and novelties	6	13	23,952	3,050	9,894	42,971
Umbrellas	3	20	42,334	2,395	110,085	220,038
All other industries ¹³	15	139	313,580	13,638	416,215	979,790
Totals	100	940	2,945,313	157,899	2,486,990	7,600,213
All other groups ¹⁴						
Totals	8	1,039	4,513,237	1,360,416	33,602,807	58,001,152
Grand Totals, Metropolitan Vancouver	1,762	53,112	185,614,937	10,983,013	458,559,366	830,019,379

- Includes: Animal oils and fats, 2; biscuits, 2; distilled liquors, 2; flour mills, 1; macaroni and kindred products, 3; sugar refining, 1; wines, 1.
- Includes: Gloves and mittens, leather, 4; leather tanning, 2; miscellaneous leather goods, 5.
- Includes: Automobile accessories, fabric, 1; bags, cotton and jute, 2; cordage, rope and twine, 3; cotton yarn and cloth, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, 4; linoleum and coated fabrics, 1; miscellaneous cotton goods, 2; woollen cloth, 3; miscellaneous woollen goods, 2.
- Includes: Fur dressing and dyeing, 1; hats and caps, 1; hosiery, 1; miscellaneous clothing, 2; other knitted goods, 2.
- Includes: Beekeepers' and poultrymen's supplies, 1; cooperage, 2; flooring, hardwood, 1; woodturning, 2.
- Includes: Pulp and paper mills, 3; roofing paper, 2.
- Includes: Agricultural implements, 1; fabricated and structural steel, 4; machinery, household, office and store, 2.
- Includes: Aircraft and parts, 1; motor vehicles, 2; railway rolling stock, 1.
- Includes: Miscellaneous non-ferrous metal products, 1; white metal alloys, 4.
- Includes: Machinery, heavy electrical, 3; refrigerators, vacuum cleaners and appliances, 3.
- Includes: Asbestos products, 2; clay products from imported clay, 2; gypsum products, 1; lime, 1; miscellaneous non-metallic mineral products, 2.
- Includes: Acids, alkalies and salts, 1; adhesives, 3; coal tar distillation, 1; fertilizers, 3; inks, 3; polishes and dressings, 2; vegetable oils, 1.
- Includes: Brooms, brushes and mops, 5; candles, 1; fountain pens and pencils, 1; hair goods, 2; musical instruments, 1; other miscellaneous industries, 3; toys and games, 1; typewriter supplies, 1.
- Includes: Tobacco, cigars and cigarettes, 1; rubber goods, including footwear, 4; coke and gas products, 1; petroleum products, 2.

The Following Municipalities are Included in Greater Vancouver

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
New Westminster	130	8,116	28,504,965	1,608,110	73,673,674	137,527,166
North Vancouver	64	2,507	9,125,641	466,105	14,429,949	33,755,046
Port Coquitlam	8	59	195,638	28,786	187,329	481,403
Vancouver	1,330	34,683	120,488,180	5,757,268	276,666,483	489,181,449
Burnaby District Municipality	78	3,278	12,981,745	1,821,986	50,560,597	93,445,697
North Vancouver District Municipality	11	112	297,271	16,464	424,381	941,670
Richmond District Municipality	59	2,743	9,140,909	1,066,780	31,389,192	54,342,024
All other ¹	82	1,614	4,880,588	217,514	11,227,761	20,343,924
Totals, Metropolitan Vancouver	1,762	53,112	185,614,937	10,983,013	458,559,366	830,019,379

- Includes: Surrey District Municipality; University Endowment Area; West Vancouver District Municipality; Indian Reservation, Unorganized, Port Moody, Coquitlam District Municipality, Delta District Municipality.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1955

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 38,182 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of two of the larger groups. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by manufacturer, would have been included in the values of commodities appearing on the list. However, the products not specified total only about 2.0 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 5.3 per cent and in transportation equipment 7.4 per cent. With the exception of these groups, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

It should be noted that a shipment's concept instead of the value of production concept was adopted in 1952. The new concept was applied to a large number of industries where it was known that inventory changes from year to year was only of a minor nature. The new concept was extended to other industries in 1953 and it is hoped to convert all industries to the shipment's concept by 1956. The alphabetical list of products for 1955, therefore, refers to commodities shipped and not to the value of commodities produced.

Alphabetical List of Commodities, 1955

Note:—In 1952 and subsequent years the basis of collection, is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked* are still on a production basis.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Abrasive cloth.....	—	—	1
Abrasive paper.....	—	—	1
Abrasive wheels and segments.....	—	—	5,666,352
Abrasives, not specified.....	—	—	1,048,840
Absorbent cotton.....	—	—	1
Accelerators, synthetic.....	—	—	1
Acetaldehyde.....	—	—	1
Acetate, normal propyl.....	—	—	1
Acetic anhydride.....	—	—	1
Acetone.....	lb.	15,602,394	985,916
Acetylene in cylinders or pipe line.....	cu. ft.	335,358,506	6,492,612
Acid, acetic, glacial, 99½%.....	—	—	1
Acid, adipic.....	—	—	1
Acid, citric.....	—	—	1
Acid, cresylic.....	—	—	1
Acid, fatty, coconut, tallow, etc.....	lb.	9,524,514	1,357,322
Acid, hydrochloric (Muriatic).....	"	37,237,789	1,076,616
Acid, hydrofluosilicic.....	—	—	1
Acid, monochloro acetic.....	—	—	1
Acid, nitric.....	—	—	1
Acid, phosphoric.....	—	—	1
Acid, stearic.....	—	—	1
Acid, sulphuric:			
Quantity made.....	lb.	1,913,969,938	—
Quantity shipped.....	"	1,699,156,099	10,082,871
Acids, not specified.....	—	—	1
Adhesives, n.e.s.....	—	—	2,749,776
Advertising matter, printed, n.e.s.....	—	—	49,593,637
Advertising novelties and displays (see "Displays").....	—	—	—
Agitators, mining and metallurgical.....	—	—	1
Agricultural implements and parts, n.e.s.....	—	—	19,723,469
Air conditioning equipment n.e.s.....	—	—	4,217,196
Aircraft and parts:			
Aircraft completed during the year.....	—	—	108,408,292
Aircraft being built but no completed.....	—	—	46,074,243
Aircraft repairs (Value of work done).....	—	—	40,894,582
Aircraft parts manufactured.....	—	—	73,007,531
Value of work done on developing aircraft and engines, (including other products n.e.s.).....	—	—	129,677,183
Value of work done in 1954 on aircraft completed in 1955.....	—	—	35,940,776
Albumen, (included in "Egg substitute").....	—	—	1
Alcohol, butyl.....	—	—	1
Alcohol, industrial, (produced).....	pf. gal.	6,399,009	1,986,135
Alcohol, industrial, (sold):			
Denatured:			
Antifreeze.....	st. gal.	153,493	199,399
Perfume manufacturing.....	"	263,113	259,447
Rubbing alcohol.....	" "	165,917	140,902
Solvents and cleaning fluids.....	" "	1,290,850	1,025,732
Other, including that for hospitals, research, etc.....	" "	404,721	339,345
Not denatured.....	pf. gal.	4,319,111	1,876,350
Alcohol, isopropyl.....	—	—	1
Alcohol, polyvinyl.....	—	—	1
Alkylation feed stocks*.....	—	—	1
Alloys, cutting.....	—	—	1
Alloy, die casting.....	lb.	9,251,463	1,441,943
Almond paste.....	"	80,179	32,418
Alumina, fused (crude).....	ton	177,162	16,676,424
Alumina, fused (abrasive grains).....	—	—	1
Alumina, hydrate.....	—	—	1
Aluminum bars, rods and ingots.....	—	—	1
Aluminum extruded shapes.....	lb.	20,232,533	10,958,673
Aluminum fluoride.....	—	—	1
Aluminum sulphate.....	—	—	1
Aluminum products, not elsewhere specified.....	—	—	7,538,776
Ammonia, anhydrous.....	—	—	1
Ammonia, aqua.....	lb.	2,204,602	100,035
Ammonia, powder.....	"	1,581,268	138,666
Ammonium chloride.....	—	—	1
Ammonium nitrate (regular).....	—	—	1
Ammonium nitrate (fertilizer grade).....	2	—	2
Ammonium phosphate.....	2	—	2
Ammonium sulphate, other than milled, screened and bagged.....	2	—	2
Ammonium sulphate, milled, screened and bagged.....	ton	639	40,807
Ammunition (See "Munitions and war supplies").....	—	—	—
Antibiotics, including penicillin and streptomycin, etc.....	—	—	8,225,151
Anti-freeze preparations, glycol type.....	—	—	9,984,086
Anti-freeze, alcohol type (See "Alcohol, industrial, denatured, sold").....	—	—	—
Apple butter.....	lb.	331,036	66,811
Apple juice (included in "Fruit Juices").....	—	—	—
Apple juice concentrate.....	—	—	1
Apple pomace, chop and waste.....	lb.	1,787,682	29,967
Apples, evaporated and dehydrated.....	"	1,393,531	345,465
Aprons, plastic, rubber, etc.....	—	—	198,835
Aprons, fabric:			
Children's.....	doz.	20,956	80,992
Men's and youths'.....	"	12,741	154,185
Women's and misses'.....	"	188,226	1,113,522
Not specified.....	"	33,510	159,033

1. Indicates the commodity was reported by one or two concerns.

2. Included in "Fertilizers, other than mixed".

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Archery tackle.....	—	—	—
Armlets and sleeve supporters.....	doz.	6,430	136,031
Artists' brushes (included in "Brushes other, not specified")	—	—	15,375
Artware, pottery (See also "Pottery")	—	—	—
Art needlework.....	—	—	290,011
Art work (printing).....	—	—	110,357
Asbestos products, including clutch facings.....	—	—	3,087,514
Asphalt*.....	—	—	3,597,538
Asphalt emulsion.....	imp. gal.	253,247,837	29,285,550
Asphalt products, n.e.s.....	—	15,850,927	2,981,245
Atomizers.....	—	—	2,258,927
Automobiles, commercial:	—	—	1
5,000 lbs. or less:			
For sale in Canada.....	No.	35,262	48,938,429
For export.....	—	4,522	4,247,299
5,001 to 10,000 lbs.:			
For sale in Canada.....	—	11,098	20,005,748
For export.....	—	526	488,243
10,001 to 14,000 lbs.:			
For sale in Canada.....	—	2,805	4,372,124
For export.....	—	1,283	1,067,507
14,001 to 16,000 lbs.:			
For sale in Canada.....	—	6,422	12,762,004
For export.....	—	2,973	2,434,788
16,001 to 19,500 lbs.:			
For sale in Canada.....	—	9,170	22,615,388
For export.....	—	69	106,196
19,501 to 26,000 lbs.:			
For sale in Canada.....	—	3,381	15,695,003
For export.....	—	10	240,560
Over 26,000 lbs.:			
For sale in Canada.....	—	491	3,354,173
Automobiles, passenger:			
Convertible cars:			
Soft top:			
For sale in Canada.....	—	2,639	5,258,214
For export.....	—	6	10,597
Hard top:			
For sale in Canada.....	—	30,508	59,291,025
For export.....	—	74	123,939
Permanent closed cars:			
Coupe:			
For sale in Canada.....	—	9,880	15,215,977
For export.....	—	72	109,839
2 Door Sedan:			
For sale in Canada.....	—	70,171	108,363,876
For export.....	—	664	1,094,208
4 Door Sedan:			
For sale in Canada.....	—	213,550	360,184,590
For export.....	—	10,807	12,630,172
Station wagon type:			
For sale in Canada.....	—	16,203	29,651,032
For export.....	—	750	973,836
Chassis (sold without bodies):			
For sale in Canada.....	—	—	—
For export.....	—	13,345	4,922,790
Other models:			
For sale in Canada.....	—	6,355	12,846,049
For export.....	—	4	7,280
Bus or coaches:			
Complete units:			
For sale in Canada.....	—	333	6,742,662
Chassis only.....	—	224	385,590
Automobile, bus and truck bodies and cabs.....	—	—	17,052,745
Automobile bumpers and bumperettes.....	—	—	5,698,113
Automobile cloth.....	lb.	934,071	2,191,224
Automobile parts and accessories, not specified.....	—	—	178,059,697
Awnings, aluminum.....	—	—	912,444
Awnings and verandah curtains, fabric.....	—	—	2,114,004
Axes and hatchets.....	No.	504,331	892,656
Axes and shafts, automobile.....	—	78,268	3,222,182
Axes, not specified.....	—	—	2,423,055
Babies' high chair sets, commodes and other baby supplies.....	—	—	2,093,029
Rabbit metal.....	lb.	2,848,263	1,206,608
Badges (included under "Regalia")			
Bags:			
Cotton.....	No.	45,365,356	9,420,547
Jute.....	—	73,034,055	13,044,915
Garment, fabric.....	—	—	1
Garment, plastic.....	doz.	531,266	435,588
Hand, leather.....	No.	823,652	3,988,479
Hand, other.....	—	—	3,709,078
Hand, parts.....	—	—	4,931
Shopping, sports, etc., leather.....	No.	50,659	528,161
Shopping, sports, etc., fabric.....	—	214,624	393,883
Sleeping.....	—	77,928	1,211,998
Club bags, suit cases and other hand luggage.....	—	—	7,285,343
School bags.....	No.	488,594	860,002
Fabric bags, not specified.....	—	—	751,177
Fabric bags, repaired.....	—	—	1,867,135

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Bags, paper:			
Glassine and cellophane	—	—	8,588,589
Millinery, garment and laundry	—	—	1,737,375
Self-opening	—	—	7,710,654
Wedge, including notion and novelty bags	—	—	2,137,709
Paper, not specified, including multiwall	—	—	28,414,105
Bags, plastic (See also "Bags, garment")	—	—	4,555,729
Bags, not specified	—	—	241,676
Bags, rubber, air and steam	—	—	1
Bakers' equipment, not specified	—	—	91,156
Bale ties - Quantity made	ton	3,442	674,792
Quantity shipped	—	3,449	3,098,213
Balls, grinding	—	—	1
Ball and rod mills, grinding	—	—	482,176
Balloons	gr.	169,305	294,050
Balls, baseball	doz.	21,893	1
Balls, golf, complete	—	—	299,118
Balls, softball	doz.	25,303	630,208
Balls, other, including bladders	—	—	151,152
Barley, pot and pearl	ton	1,433	1,951,935
Barn and stable equipment, not elsewhere specified	—	—	—
Barrels, wooden:			
Apple, etc.	No.	321,478	623,022
Fish, slack	—	32,013	50,476
Fish, tight	—	80,775	229,732
Flour, sugar, etc.	—	54,705	97,016
Oil, vinegar, water	—	131,348	930,063
Whiskey, beer, etc.	—	43,380	832,263
Barrels, steel	—	1,164,897	4,268,924
Barrels, repaired, etc.	—	—	720,926
Barrels, n.e.s.	—	—	15,032
Bars and ingots, aluminum (See "Aluminum bars, rods and ingots")	—	—	—
Bars and rods, brass and bronze	—	—	1
Bars, iron and steel:			
Hot rolled, of all grades:			
Quantity made	ton	523,810	—
Quantity shipped	—	402,444	55,577,135
Cold rolled and drawn:			
Quantity made	—	45,195	—
Quantity shipped	—	45,261	12,252,299
Concrete reinforcing	—	—	27,937,607
Basket bottoms	No.	12,152,265	322,196
Baskets and crates, fruit and vegetable	—	—	3,773,188
Baskets, other, not specified	—	—	264,801
Bathing caps	doz.	25,192	115,104
Bathing shoes	—	—	1
Bathing suits	doz.	157,310	5,313,363
Bath mats and sets	—	—	304,328
Bathrobes, kimonos, lounging jackets etc.:			
Cotton:			
Women's and misses'	doz.	23,600	874,476
Children's	—	10,817	191,650
Rayon and silk:			
Women's and misses'	—	30,455	2,000,836
Men's and youths'	—	5,101	533,482
Children's	—	3,339	24,798
Wool and flannel:			
Women's and misses'	—	5,049	412,483
Men's and youths'	—	9,398	1,028,257
Children's	—	1,945	58,558
Not specified:			
Women's and misses'	—	20,185	1,057,520
Men's and youths'	—	2,874	126,105
Children's	—	2,395	111,555
Other	—	—	241,429
Bats, baseball	No.	136,648	92,783
Batteries:			
Storage, for automobiles and other internal combustion engines	—	2,134,174	20,740,689
Storage, for railway service (cells)	—	20,972	897,845
Storage, for farm lighting plants (cells)	—	24,652	270,747
Storage, for direct motive power (industrial trucks, mine locomotives, etc.)	—	2,855	1,819,413
Storage, for all other purposes	—	—	1,344,720
Dry cell, 6 in. batteries	No. of cells	2,048,321	1,045,237
Dry cell, radio, for portable sets	—	13,915,555	728,562
Dry cell, radio, non-portable sets	—	29,578,275	2,603,396
Dry cell, flashlight	—	27,301,492	2,518,111
Dry cell, hearing aid "A"	—	—	482,904
Dry cell, hearing aid "B"	—	—	—
Dry cell, all other	—	—	—
Parts and supplies for batteries	—	—	2,137,179
Battery containers, covers, etc.	—	—	3,681,670
Batts, wadding, and rolls including auto batts (See also "Flocks")	—	—	4,273,907
Bearings, ball, roller, pillow blocks, engine and other bearings, not specified	—	—	9,439,319
Beauty parlour equipment (See also "Hair dressing accessories")	—	—	904,287
Beds and couches:			
Beds, metal	No.	141,337	2,118,391
Studio couches, metal and other	—	75,200	4,953,866
Couches, other than studio, metal	—	16,306	156,511
Cots and bunks, metal	—	98,476	906,903
Cribs, metal	—	14,182	206,345
Beds, camp	—	5,807	33,652

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Bedspreads and bed sets:			
Cotton	No.	442,017	2,600,257
Silk, rayon and rayon mixtures	"	47,341	400,940
Not specified	"	—	48,065
Beef extract	"	—	1
Beekeepers' supplies, n.e.s.	"	—	126,114
Beer, ale, stout and porter (sales):			
Bottled and canned	gal.	160,536,005	273,263,187
Draught	"	50,565,898	57,853,913
Beer, spruce	case	111,040	115,970
Beet pulp, wet and dried	ton	127,767	2,063,829
Belting, leather (transmission)	lb.	212,617	905,983
Belting, rubber	"	—	9,737,106
Belts, automobile, fan	No.	1,584,004	1,012,241
Belts, body, not specified	"	—	5,089,682
Belts, garter	doz.	78,381	736,670
Belts, rubber, other	lb.	229,740	406,325
Belts and aprons, sanitary	"	—	337,812
Benzol	"	—	4,096,627
Bicycles	No.	96,371	2,931,039
Bicycle parts	"	—	431,423
Billiard and bowling supplies n.e.s.	"	—	1,767,768
Binders, loose-leaf and other	"	—	4,260,729
Binders, corn	"	—	1
Binders, grain	No.	94	64,805
Binding and stitching (trade work)	"	—	2,255,110
Bindings (see also "Tapes")			
Cotton	"	—	1,302,088
Rayon and rayon mixtures	"	—	415,520
Other	"	—	214,749
Bins and hoppers	"	—	850,698
Biologicals and vaccines	"	—	4,423,808
Biscuits, plain and fancy	lb.	192,208,838	54,883,074
Biscuits, soda	"	45,385,838	11,710,295
Black, acetylene	"	—	1
Black (carbon black)	"	—	1
Blackboards, asbestos and other	"	—	134,964
Blankets:			
Cotton and cotton mixtures	pr.	1,792,899	—
All wool	lb.	6,475,473	7,232,362
Other, including crib	pr.	298,361	—
Slumber throws	lb.	1,766,018	3,231,527
Blankets, electric	No.	81,681	2,770,198
Blankets and covers, horse	"	—	464,030
Blankets, rubber, printers'	No.	6,426	1
Bleaching compounds	"	—	30,782
Blinds, venetian (See "Shades and blinds")	"	—	394,768
Blood, animal, dried, edible	lb.	186,737	10,177
Blood, animal, dried, inedible	"	7,225,396	411,033
Blooms, billets, slabs and sheet bars, including blanks.			
Quantity made	net ton	2,942,725	—
Quantity shipped	"	298,646	23,114,634
Blouses, women's, misses' and children's:			
Cotton, women's and misses'	doz.	366,561	7,141,508
Cotton, children's	"	116,503	1,337,718
Nylon, women's and misses'	"	15,628	329,401
Nylon, children's	"	74,205	2,173,344
Rayon, women's and misses'	"	73,181	1,738,446
Rayon, children's	"	11,496	220,387
Rayon mixtures, women's and misses'	"	73,780	1,978,908
Rayon mixtures, children's	"	5,069	107,040
Woolen, women's and misses'	"	51,972	2,106,914
Woolen, children's	"	854	23,539
Other, women's and misses'	"	86,924	2,681,374
Other, children's	"	3,649	26,431
Blow torches	"	—	1
Blowers for domestic furnaces	No.	104,705	1,760,782
Blue, laundry	"	—	1
Boats, life and whale	No.	102	79,771
Boats, motor	"	477	2,223,987
Boats, outboard motor	"	12,250	3,214,317
Boats, sail	"	157	129,728
Boats, other including row boats, skiffs, etc. (See also "Canoes")	"	—	2,136,064
Boiler compound	"	—	1
Boilers, heating, all types	No.	20,974	7,348,214
Boilers, power	"	—	11,630,205
Boilers, range and wash	"	—	3,351,928
Boilers, not specified	"	—	1,224,177
Boiler and engine parts and accessories	"	—	495,240
Bologna and blood pudding	lb.	12,787,512	3,229,667
Bolts, nuts, and rivets	lb.	20,029,926	18,430,822
Bone and meat meal and flour	"	34,646,552	777,508
Bone, raw, ground etc.	"	—	790,760
Book cloth, proxylin coated (included in "Fabrics, coated and impregnated")	"	—	—
Books, printed and bound, chiefly for advertising	"	—	4,803,465
Books, printed and bound, not chiefly for advertising	"	—	14,728,687
Books and pads, drawing, exercise, scribblers, etc., not elsewhere specified	"	—	3,849,559
Books, ledger and account	"	—	1,565,326
Books, counter, check, sales, etc.	"	—	2,400,190

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Books, blank, bound, not specified	—	—	1,456,955
Boron carbide	—	—	1
Bottles, paper, milk	—	—	1
Bottles, plastic	—	—	1
Bottles, thermos	—	—	1
Bowling supplies (included in "Billiard and bowling supplies")	—	—	—
Box toes	pr.	12,356,688	445,681
Boxes, paper:			
Corrugated, including wrappers, etc. (See also "Wrappers")	—	—	87,930,288
Fibre board	—	—	1,646,783
Folding	—	—	57,370,064
Set-up	—	—	13,945,242
Not specified	—	—	115,864
Boxes, plastic	—	—	690,765
Boxes, wooden:			
Apple and other fruit	No.	633,133	284,898
Berry	"	16,421,304	213,491
Butter	"	1,811,385	1,300,391
Cheese	"	552,988	314,827
Cigar	"	953,611	142,865
Fish	"	1,230,088	923,430
Meat	"	618,684	448,159
Plywood	"	139,759	889,456
Veneer	"	2,309,041	2,791,774
Not specified	—	—	6,152,804
Boxes, other, not specified	—	—	510,498
Box panels, plywood	—	—	1
Braids and gimps	—	—	1,500,554
Brake fluid	—	—	1,070,762
Brake beams (railway car)	—	—	1
Brakes, auto, and parts	—	—	5,782,477
Brakes, brake shoes and parts	—	—	2,821,480
Brass	ton	292,777	13,003,385
Brass and bronze ingots	"	18,587	12,610,400
Brass and bronze products, not specified	—	—	3,387,980
Bread	ton	765,024	175,096,743
Breakfast foods (See "Cereal products")	—	—	—
Brewery and distillery equipment, n.e.s.	—	—	643,139
Bricks, cement	M.	149,979	5,855,472
Bricks, domestic clay	"	489,582	22,191,925
Bricks, sand-lime	"	41,941	1,191,314
Briquettes, coal and coke	ton	54,303	736,500
Bronze ingots (See "Brass and bronze ingots")	—	—	—
Brooms:			
Corn	doz.	237,087	2,788,728
Fibre	"	41,023	526,346
Hair	"	3,794	137,387
Toy	"	16,998	63,861
Other	"	6,744	150,804
Brushes:			
Clothes	"	23,013	167,844
Cosmetic	—	40,977	338,683
Generator and motor	—	—	1,016,071
Hair	doz.	128,329	811,000
Nail	"	53,324	85,705
Paint	"	494,464	4,110,203
Shaving	"	17,572	165,746
Shoe	"	41,715	148,133
Tooth	"	581,091	770,582
For household purposes	"	585,472	1,424,549
For industrial use	"	193,567	1,363,180
Other, including artists'	—	—	555,717
Brush blocks, backs, etc.	—	—	96,674
Buckles, clips, etc.	—	—	364,090
Buffing composition	—	—	512,358
Bufs, polishing, cotton, etc.	—	—	856,125
Building blocks, hollow, cement, fibre, sand-lime, etc.	M.	145,012	33,508,387
Building boards:			
Wood fibre, rigid insulating	s. ton	137,655	14,072,014
Wood fibre, hardboard	"	68,574	7,213,304
Other than wood fibre	—	—	1,759,558
Buildings (houses, etc.) prefabricated	—	—	9,262,776
Bungs, barrel	—	—	61,501
Buns	—	—	27,593,016
Burlap products	—	—	19,950
Burners, gas conversion, etc.	—	—	419,771
Butane (Included in "Gases, liquifying petroleum")	—	—	—
Butter, whey, factory made	lb.	1,801,158	940,565
Butter, other, factory made	"	318,465,405	185,557,128
Buttons:			
Celluloid	gr.	38,240	180,960
Covered	"	54,400	136,500
Plastic	"	697,492	973,645
Metal	"	374,942	332,340
Moulded	"	3,730,705	1,411,074
Pearl	"	51,909	101,429
Not specified	—	—	607,695
Button covering, hemstitching, etc.	—	—	1,227,727
Butyl acetate	—	—	1
Butyraldehyde	—	—	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cabinets, ice cream	No.	4,821	1,947,061
Cabinets, phonograph, radio and television	"	774,111	14,312,216
Cabinets, silverware	"	—	810,199
Cabinets, other, including shower	"	—	597,141
Coffee	"	—	1
Calcium acid phosphate	"	—	1
Calcium carbide	"	—	1
Calcium chloride	"	—	1
Calcium cyanamide, n.e.s. (Fertilizer grade included in "Fertilizers, other than mixed")	"	—	1
Calcium naphthenate	"	—	1
Calendar pads	"	—	594,725
Calks, horseshoe	"	—	24,312
Camel back	lb.	13,158,102	5,246,294
Cameras	"	—	1
Candles and cerges:			
Household	"	—	521,897
Church, chapel and synagogue	"	—	2,058,421
Wax lights in tumblers	"	—	1
Candy sticks	M.	124,055	94,599
Canoes (See also "Boats")	"	—	305,653
Cans, metal, cream and milk	"	—	722,152
Cans, metal, for food	"	—	62,291,581
Cans, metal, non food	"	—	26,267,180
Cans, garbage and ash	"	—	1,365,333
Cans, paper or fibre with metal ends	M.	82,502	2,264,470
Cans, all paper or fibre	"	—	1
Canvas and canvas goods, not elsewhere specified	"	—	119,102
Capacitors, (Static condensers for power factor correction)	"	—	7,278,903
Caps:			
Cloth	doz.	253,762	2,594,289
Cotton	"	97,652	264,719
Fur (See also "Hats and caps, fur")	"	5,469	66,446
Leather	"	5,195	76,057
Sport	"	128,363	1,170,734
Uniform	"	29,560	785,211
Not specified	"	—	156,817
Caps, bottle:			
Metal, all kinds	"	—	11,728,713
Paper, milk bottle	M.	1,408,809	1,464,566
Paper, other, not specified	"	—	2,550
Plastic	"	—	1,155,800
Not specified	"	—	229,665
Caramel butter	"	—	1
Carbonated beverages	gal.	118,441,866	103,651,706
Carbon dioxide (cylinders and solid)	"	—	1
Carbon bisulphide	"	—	1
Carbon tetrachloride	"	—	111,082
Carbon products, not specified	"	—	1
Carbons, illuminating	"	—	1
Carboxel (sodium carboxymethyl cellulose)	"	—	12,796,387
Cards, greeting	"	—	1
Cards, playing	"	—	129,983
Cards, visiting	"	—	1,512,709
Cards, sample, swatch, display, etc.	"	—	2,777,930
Cards, tabulating and time clock	"	—	—
Carpets, mats, and rugs:			
Carpets in rolls, including stair:			
Axminster	sq. yd.	515,870	2,340,358
Wilton	"	731,347	5,436,950
Other, not specified	"	278,715	1,766,433
Squares made on Axminster or Wilton looms:			
Axminster	"	416,909	2,445,700
Wilton	"	—	1
Cocoa mats and matting	"	—	2,538,205
Rugs, wool, cotton, hooked, etc.	"	—	466,353
Rugs, made from old carpets	"	—	1
Carpet sweepers	"	—	1
Carriages, sulkeys, etc., baby	No.	196,864	3,054,701
Carriages, doll	"	267,826	1,040,454
Carriages and wagons (See "Vehicles and Wagons")	"	—	—
Carriage and wagon bodies and boxes	"	401	78,200
Carriage and wagon materials	"	—	19,810
Carriers, litter	"	—	1
Cars, steam, railway, new*	No.	3,736	27,821,586
Cars, dump, hand, push and other not specified	"	901	590,482
Carts, concrete	"	—	49,475
Carts, wood	"	—	26,146
Caseins, dried	lb.	6,576,445	1,516,301
Casein, green	"	3,628,586	404,488
Cases, clock	"	—	84,772
Cases, jewellery	"	—	1,455,358
Cases, key, card, cigarette, utility etc.	No.	1,035,798	1,097,950
Cases, portfolios, brief, etc.	"	292,327	1,503,626
Cases, toileware	"	—	35,328
Cases, other, not specified	"	—	200,334
Caskets and coffins (completely assembled):			
Wooden, hardwood	No.	40,634	3,578,277
Wooden, imitation hardwood	"	3,279	148,098
Wooden, cloth covered	"	65,381	3,058,507
Wooden, not specified	"	1,275	16,993

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Caskets and coffins (completely assembled) - Concluded:			
Metal	No.	1,641	265,619
Shells and rough boxes	"	60,416	710,398
Casks, fish	"	40,738	134,895
Casks, other	"	1,482	10,822
Castings:			
Aluminum	lb.	9,894,568	7,268,843
Brass and bronze	"	30,627,167	15,950,591
Copper	"	201,559	143,249
Die	"	21,354,499	11,498,113
Grey iron	"	—	38,732,201
Magnesium	lb.	605,078	2,035,960
Malleable iron	ton	27,610	9,207,254
Iron, not specified	"	—	466,906
Lead	"	—	1
Steel:			
Quantity made	ton	88,426	—
Quantity sold	"	83,482	35,857,222
Not specified	"	—	4,944,942
Castors, all kinds	—	—	1,266,127
Catalogues, printed, etc.	—	—	16,065,372
Catsup (See "Tomato Catsup")	—	—	—
Caulking materials	—	—	1
Ceiling and siding, metal	—	—	652,675
Cellulose products, n.e.s.	—	—	1
Cement, asbestos	lb.	2,166,867	164,498
Cement, hydraulic (including containers)	—	—	69,494,986
Cement, linoleum	—	—	502,243
Cement, rubber	—	—	656,454
Cement, not specified	—	—	2,238,685
Cereal products:			
Prepared (ready to serve)	lb.	78,518,057	23,700,176
Unprepared	"	16,747,198	1,758,437
Certificates, stock, bond, etc. (printed)	—	—	3,018,338
Chains, automobile	—	—	1,506,061
Chains, other than automobile, including sprocket chain	—	—	6,261,972
Chamois products	—	—	378,275
Channel rubber	lb.	1,795,827	777,479
Chaplets, foundry	—	—	1
Charcoal	ton	7,478	375,884
Cheese, Canadian cheddar	lb.	80,599,318	23,952,541
Cheese, other, whole milk	"	7,311,609	3,096,183
Cheese, skim milk and cottage	"	14,661,814	2,688,033
Cheese, process	"	44,771,607	17,547,169
Cheesecloth	yd.	1,008,058	553,883
Chemical products, not elsewhere specified	—	—	4,424,194
Cheques, notes, drafts, bank notes, etc. (printed)	—	—	4,649,548
Chests, cedar and other	—	—	1,309,631
Chewing gum	No.	34,095	9,693,429
Chicken, canned (See "Meat, canned")	box	14,362,271	—
Chicory, roasted	—	—	1
Children's sleepers (See also "Infants' wear - Sleepers")	doz.	61,078	758,548
Children's waists, n.e.s.	"	3,925	29,835
Chloride of lime	lb.	505,478	71,978
Chlorine, liquid	"	198,763,015	6,241,278
Chloroform	—	—	1
Chocolate coating:			
Liquor	—	—	1
Sweetened:			
For own use	lb.	10,258,577	—
For sale	"	10,397,934	4,298,777
Choppers and grinders, food	No.	271,129	271,129
Churns	—	—	—
Cider (for sale)	gal.	207,150	96,056
Cigars ²	M.	257,233	19,360,206
Cigarettes	"	24,864,332	332,011,517
Classifiers, metal-working	No.	9	91,375
Clay, bentonite and other	—	—	449,104
Cleaners, vacuum and parts	—	—	9,180,945
Cleaner, hand	lb.	1,449,273	209,473
Cleaner, automobile, fabric, floor, etc.	—	—	1,153,107
Cleaning and scouring powders and pastes	—	—	5,082,982
Cleaning preparations, n.e.s.	—	—	3,491,444
Clips and staples, wire	—	—	759,126
Clocks	—	—	3,445,558
Cloth, gummed	—	—	1
Clothes hampers	—	—	256,337
Clothes driers, electric	—	—	5,220,591
Clothes pins, wood	—	—	787,720
Clothing, hospital	gr.	1,156,476	1,305,018
Clothing, military (See also "Jackets", "Pants" and "Suits")	—	—	65,004
Clothing, oiled and waterproofed (see also "Raincoats" and "Pants", rubberized and oiled)	—	—	916,777
Clothing, plastic, n.e.s. (see also "Aprons", "Raincoats and Capes")	—	—	134,394
Clothing, rubber n.e.s.	—	—	395,417
Clothing, safety	—	—	431,884
Clothing, n.e.s.	—	—	1,588,078
Clothing, sport:			
Shorts:			
Women's and misses':			
Cotton	doz.	41,899	668,434
Other, including wool and wool mixtures	"	23,757	435,610

1. Indicates the commodity was reported by one or two concerns.

2. Includes excise duties and sales tax.

Alphabetical List of Commodities, 1953 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Clothing, sport - Concluded:			
Shorts - Concluded:			
Men's and youths':			
Cotton	doz.	37,388	834,360
Not specified	"	4,822	130,269
Boys':			
Cotton	"	5,108	66,931
Other	"	279	6,659
Children's:			
Cotton	"	68,587	512,972
Rayon	"	369	8,587
Wool and wool mixtures	"	5,200	64,000
Not specified	"	745	8,946
Slacks and jeans:			
Women's and misses':			
Cotton (including jeans)	No.	1,719,373	3,524,255
Rayon	"	293,854	984,424
Wool and wool mixtures	"	202,132	849,002
Not specified	"	59,324	165,063
Men's and youths': (See "Pants and slacks")			
Children's:			
Cotton (including jeans)	"	1,621,560	2,154,729
Rayon	"	162,878	258,474
Wool and wool mixtures	"	163,121	387,605
Not specified	"	255,624	299,077
Not specified	-	-	15,330
Suits, sport:			
Ski and snow suits:			
Women's and misses'	No.	17,297	269,400
Children's	"	554,208	3,083,012
Not specified	"	5,400	54,000
Other sport suits:			
Women's and misses'	"	77,610	201,974
Children's:			
Cotton	"	18,449	47,283
Wool and wool mixtures	"	47,213	136,793
Not specified	"	23,382	74,188
Clothing, sport, (baseball, gym and athletic) (See also "Pants, hockey, soccer, etc.")	-	-	652,071
Clothing, sport, other	-	-	689,109
Coats and jackets:			
Men's and boys' overcoats and top coats:			
Regular models:			
Boys'	No.	46,995	469,195
Men's and youths'	"	724,509	20,667,386
Station wagon (except short length)	"	6,772	59,744
Boys'	"	19,731	307,705
Men's and youths'	"		
Women's and misses' coats:			
Regular models:			
Rayon	"	85,653	1,270,770
Woolen	"	1,473,330	34,086,240
Other	"	30,473	1,084,074
Station wagon	"	5,860	70,748
Children's coats:			
Regular models:			
Woolen	"	874,231	8,411,661
Rayon	"	123,985	793,897
Not specified	"	19,745	161,446
Station wagon	"	25,998	198,703
Other coats, not specified	-	-	40,103
Boys' separate jackets (civilian)	No.	131,246	828,410
Men's and youths' separate jackets:			
Civilian	"	469,674	8,418,867
Military	"	279,071	2,837,316
Women's and misses' separate jackets:			
Wool and mixtures	"	103,836	1,192,359
Rayon and mixtures	"	18,543	104,531
Cotton	"	40,301	159,649
Other	"	31,310	204,986
Children's separate jackets:			
Wool and mixtures	"	287,081	790,462
Cotton	"	102,870	270,507
Rayon and mixtures	"	27,270	99,102
Other	"	1,974	5,922
Coats, blazers and jackets, not specified	-	-	139,398
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.):			
Wool and wool mixtures:			
Men's and youths'	doz.	76,042	6,124,355
Boys'	"	33,156	2,250,256
Children's (under 14)	"	9,187	566,444
Women's and misses'	"	3,990	379,461
Not specified	"	812	90,000
Cotton:			
Men's and youths'	"	46,269	2,871,495
Boys'	"	14,695	606,338
Children's (under 14)	"	26,396	760,278
Women's and misses'	"	6,535	343,096
Not specified	"	5,000	450,000
Leather:			
Men's and youths'	"	34,472	4,672,051
Boys'	"	5,132	548,064
Not specified	"	2,737	376,407

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Coats and jackets - Concluded:			
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.)			
Concluded:			
Rayon:			
Children's	doz.	15,358	841,824
Women's and misses'	"	5,125	386,839
Not specified	"	388	25,264
Other:			
Men's and youths'	"	49,783	4,362,454
Boys'	"	24,030	1,478,237
Children's (under 14)	"	7,970	334,842
Women's and misses'	"	10,272	596,726
Not specified	"	2,600	18,200
Raincoats:			
Plastic:			
Children's	No.	109,100	142,949
Men's and youths'	"	—	1
Women's and misses'	No.	121,444	185,370
Rubber and rubberized:			
Children's	—	—	1
Showerproofed and waterproofed:			
Children's	No.	62,459	436,234
Men's and youths'	"	108,237	1,791,264
Women's and misses'	"	305,343	4,667,781
Not specified	"	28,606	2,474,436
Not specified	"	1,068	8,732
Coats and capes:			
Oiled	—	—	31,338
Plastic	doz.	55,488	613,426
Rubber, rubberized and shower-proofed	"	21,161	991,692
Brunch coats and house coats	"	15,052	619,003
Coats, fur:			
Children's	No.	229	19,274
Ladies' (Coats, jackets, etc.)	"	211,073	48,918,139
Men's	"	149	53,495
Coats, fur-lined (ladies')	"	1,883	300,768
Coats, fur-lined (men's)	"	1,817	392,585
Coat plates	—	—	936,732
Coating, industrial (plastic) (See also "Enamels, pipe-line")	—	—	361,051
Cobalt naphthenate	—	—	1
Cocoa (Made for sale)	lb.	6,869,336	4,360,243
Cocoa butter	—	—	1
Cocoa and chocolate preparations not elsewhere specified (for sale)	lb.	7,364,777	3,533,897
Cocoanut, prepared and desiccated	—	—	1
Coffee-makers, electric	—	—	1,127,476
Coffee-makers, glass	—	—	1
Coffee, instant	lb.	3,184,164	13,220,639
Coffee, roasted	"	77,112,970	72,752,344
Coffee, substitute	—	—	1
Coffins (See "Caskets and coffins")	—	—	1
Coffins (shells or rough boxes) (See "Caskets and coffins")	—	—	1
Coke, gas-house	ton	4,004,624	58,241,355
Coke, petroleum	"	296,095	2,980,659
Coke, pitch	—	—	1
Cold storage equipment (See also "Refrigeration equipment")	—	—	93,740
Collars and cuffs	—	—	141,947
Collars, fur	No.	39,918	345,348
Colours, food, including caramel	—	—	617,149
Colours, dry	—	—	4,699,074
Colours, in oil and japan	gal.	48,835	361,696
Colours	—	—	1,073,480
Combs	—	—	1
Comforters:			
Cotton	No.	41,554	223,083
Down	"	5,619	126,955
Wool	"	88,842	460,436
Not specified	—	—	131,698
Communication systems (See "Radio communication equipment")	—	—	1
Compacts (only), powder and rouge	—	—	250,171
Compressors, air	—	—	5,817,559
Compressors and condensing units (refrigeration)	No.	27,424	2,729,200
Concentrates used for soft drinks (See also "Extracts for soft drinks")	—	—	5,136,689
Concrete, ready-mixed	cu. yd.	5,016,548	58,918,355
Concrete products n.e.s.	—	—	11,682,318
Condensers, evaporative (refrigeration)	No.	2,604	284,937
Conduit, fibre	—	—	1
Conduit, flexible, metallic	ft.	1,600,500	147,100
Conduit, rigid:			
Aluminum	—	—	1
Electrical, metallic tubing	lb.	6,616,630	1,733,031
Steel and non-ferrous	"	48,380,240	6,888,346
Not specified	—	—	122,412
Conduit fittings	—	—	3,006,905
Cones, ice cream	M.	401,581	1,832,600
Cones and tubes, textile winding	—	—	1
Confectionery, chocolate:			
In bulk	lb.	13,216,516	6,500,992
In bars	doz.	45,451,566	26,945,192
In packages	lb.	20,036,277	12,643,760
Moulded chocolate novelties	"	1,987,101	1,367,720
Not specified	"	82,439	51,190
Confectionery, marshmallow:			
In bulk	"	554,293	151,314
In packages	"	5,097,364	1,276,905

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Confectionery, sugar:			
In bulk	lb.	42,129,070	9,484,518
In bars	doz.	1,496,029	781,787
In packages	lb.	26,873,731	9,214,249
Penny goods	gr.	3,512,482	2,962,182
Lozenges	lb.	1,711,895	303,716
Toffee:			
In bulk	"	676,928	200,361
In packages	"	2,968,105	1,168,321
Confectionery, not specified	"	—	1,057,894
Confectionery mixes	—	—	40,687
Containers, n.e.s.	lb.	121,075	1,706,085
Control and starting equipment, industrial, n.e.s.	—	—	13,346,681
Converter equipment, electrical	—	—	3,732,008
Coolers, milk and other	—	—	2,559,073
Cooperage products, not specified	—	—	75,613
Copper alloys	—	—	1
Copper and copper products, n.e.s.	—	—	1
Cores for paper rolls	—	—	977,248
Cores for small paper rolls and mailing tubes	—	—	1,452,940
Cores, textile winding	—	—	315,482
Cores, lumber	—	—	1,050,636
Cork products, not elsewhere specified	—	—	433,989
Corn for popping	—	—	1
Corsets, girdles, brassieres, etc:			
Corsets and girdles	doz.	239,274	8,924,231
Combination garments	"	20,120	1,149,043
Bandeaux, brassieres, etc.	"	910,974	12,252,806
Suspender girdles, shoulder straps, etc.	—	—	164,032
Cosmetic containers and other cosmetic accessories, n.e.s. (See also "Compacts")	—	—	669,346
Cotton fabrics:			
Unbleached or grey	lb.	76,670,130	—
Bleached or white	yd.	229,168,347	54,144,870
Printed and painted }	lb.	10,697,736	—
Yarn and stock dyed }	yd.	37,575,547	11,390,718
Piece dyed	lb.	27,287,753	—
Not specified	yd.	86,419,994	30,487,760
Counters, shoe	lb.	32,447,798	—
Couplings, flexible, etc.	yd.	82,178,708	27,914,866
Coverings, boiler and pipe, asbestos and other	pr.	22,815,538	1,527,965
Covers, baby carriage and crib	—	—	793,543
Covers, boat	—	—	473,711
Covers, canvas	—	—	2,667,229
Covers, couch, table and other furniture	—	—	30,024
Covers, mattress	doz.	1,062	111,285
Covers, stockinette, meat (See "Knitted fabrics")	—	—	3,143,037
Covers, radiator	—	—	850,836
Covers, seat, automobile	—	—	361,054
Covers, not specified	—	—	45,078
Crates, shipping, auto and other	—	—	3,567,987
Crayons, wax and chalk	—	—	794,175
Cream, whey, sold in dairy factories	—	—	2,712,706
Cream, other, sold in dairy factories	—	—	605,209
Cream transferred to branches of firms reporting	lb. b.f.	862,943	465,607
Cream of tartar, refined	"	28,335,016	31,302,794
Cream separators	"	7,645,440	4,882,985
Cresols	lb.	201,762	166,270
Croquet sets	—	—	1
Cross arms	—	—	1
Crucibles, clay	—	—	718,022
Crushers, rock and parts	—	—	229,436
Cuffs, fur	—	—	1,396,889
Cultivators	—	—	11,057
Cumene	No.	14,181	3,242,917
Cups, paper, baking, bonbon, etc.	—	—	1
Cups, paper, drinking	M.	1,172,501	433,054
Curtains, shower	"	1,035,496	5,011,728
Curtains, fabric	—	—	212,830
Curtains and drapes, plastic	—	—	3,074,817
Curtain rods and fixtures	—	—	940,149
Cushions	—	—	1,811,428
Cushion forms	—	—	855,674
Cushion tops	No.	73,369	128,540
Cushions, mats and pads, air and sponge	—	69,398	57,381
Cutting blocks and tables, butcher	doz.	543	14,933
Cutlery, all kinds (See also "Flatware")	—	—	147,664
Dairy products, not specified	—	—	2,146,431
Dairy equipment, not specified	—	—	1,521,664
Decorations, including party favours, confetti, etc.	—	—	838,986
Dentifrices	—	—	1,220,285
Dentists' supplies, not elsewhere specified	—	—	8,023,643
Deodorant (personal)	—	—	185,194
Deodorant (not personal)	—	—	2,315,852
Desk sets	—	—	476,431
Detergents	—	—	178,790
Dextrine	—	—	36,573,027
Dextrose	—	—	1,528,393
Diaries, printed, etc.	—	—	1
			265,960

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
Dibutyl phthalate	—	—	1
Dicyandiamide	—	—	1
Dies, stamping, drawing and cutting	—	—	1, 166, 946
Dies, metal working, n.e.s.	—	—	5, 933, 664
Dies, taps and stocks	—	—	193, 769
Dies, rubber, etc.	—	—	649, 436
Dinnerware (See "Tableware, pottery")			
Discs, agricultural (See "Ploughs")			
Discs for cartridge cases	—	—	1
Dishcloths	—	—	387, 591
Dishwashers, electrical, commercial and other	—	—	1, 465, 065
Disinfectants	—	—	1, 166, 820
Displays, advertising	—	—	6, 851, 889
Display forms, mounting, etc.	—	—	991, 770
Distillers' grain (See "Grain, distillers' ")			
Dog collars and harness	—	—	84, 246
Doilies and dinner cloths, paper	—	—	656, 606
Dolls, all kinds	—	—	3, 643, 947
Dolls' furnishings and parts	—	—	445, 839
Doors, folding	—	—	1, 538, 319
Doors, metal clad	—	—	6, 877, 243
Doors, veneer and plywood	—	—	16, 031, 271
Doughnuts	—	—	8, 729, 444
Dowels	M. lin. ft.	45, 034	470, 982
Down, processed (included with "Feathers")			
Draperies and drapery material	—	—	2, 131, 249
Dresserware, plastic	—	—	1
Dresses, children's:			
Cotton	No.	2, 345, 646	4, 534, 777
Nylon	"	674, 808	1, 755, 751
Rayon and rayon mixtures	"	888, 662	1, 939, 334
Wool and wool mixtures	"	253, 937	692, 971
Not specified	"	49, 988	174, 725
Dresses, women's and misses':			
Cotton (See also, "Coats, brunch coats, house coats, etc.")	"	5, 118, 536	19, 050, 064
Nylon	"	624, 092	4, 506, 945
Rayon and rayon mixtures	"	6, 150, 936	43, 585, 798
Wool and wool mixtures	"	610, 628	7, 293, 725
Wool; knitted suits and dresses (including children's)	"	75, 684	495, 745
Not specified	"	107, 829	1, 782, 236
Dressing gowns, negligees, (See "Bathrobes, etc.")			
Dressing, salad	lb.	26, 136, 582	6, 598, 822
Dressings and finishes, leather, (not including polish)	—	—	1, 517, 739
Drilling machines (metal working)	No.	1, 073	569, 762
Drills, grain and fertilizer (combination)	"	13, 299	6, 287, 768
Drills, grain, press and plain	"	1, 881	775, 703
Drills, reamers, etc. including screw plates	—	—	14, 374, 410
Drills, mining and metallurgical	—	—	3, 350, 965
Drink mixers	—	—	1
Drives V-belts	—	—	800, 644
Druggists' sundries:			
Hot water bottles	doz.	17, 809	157, 800
Nipples and soothers	"	289, 396	147, 236
Ice caps and collars	"	2, 570	32, 503
Not specified	—	—	3, 954
Drums, veneer, plywood and other	—	—	489, 960
Dyeing, finishing, shrinking, etc.:			
Dyeing and finishing of textiles	—	—	9, 472, 219
Dyeing and finishing of yarns	lb.	3, 319, 315	740, 103
Dyeing and finishing of other products	—	—	584, 980
Bleaching, sponging, dyeing etc., custom	—	—	2, 625, 558
Dyes, blended and packaged	—	—	213, 511
Dyes, leather	—	—	24, 203
Ear muffs	—	—	100, 470
Eavetrough and pipe	—	—	3, 426, 393
Economizers	No.	5	38, 172
Egg cases	"	386, 197	234, 364
Egg case fillers	—	—	759, 507
Eggs, frozen	—	—	1
Egg substitute, including powdered albumen	—	—	15, 265
Elastic products, not elsewhere specified	—	—	845, 438
Electric heating elements (sold separately)	—	—	4, 203, 360
Electrical apparatus, parts and supplies, not elsewhere specified	—	—	12, 853, 914
Electrical instruments and meters, except ammeters for autos	—	—	11, 239, 428
Electrodes, carbon and graphite	—	—	1
Electrodes, platinum	—	—	1
Electrotyping and stereotyping	—	—	8, 479, 956
Elevators, freight and passenger	—	—	11, 377, 406
Elevator parts	—	—	1, 101, 489
Embalming fluid	—	—	201, 106
Embossing	—	—	502, 390
Embroidery	—	—	5, 133, 710
Enamels, oil and synthetic (See also "Paints and enamels")	gal.	8, 068, 325	35, 151, 665
Enamels, pipe-line	—	—	1
Engines, auto	—	—	1
Engines, auto, parts	—	—	1
Engines, diesel	No.	166	4, 885, 256
Engines, gasoline, all types except automobile	"	61, 235	9, 766, 336
Engines, (steam turbines, marine)	—	—	1
Engine parts	—	—	5, 473, 550

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Engraving (trade work).....	—	—	551,254
Ensilage cutters.....	No.	119	61,396
Ensilage and forage harvesters.....	—	698	827,776
Envelopes, made.....	M.	3,812,303	15,452,995
Envelopes, printed.....	—	—	7,610,707
Escalators.....	—	—	1
Ethyl acetate.....	—	—	1
Ethyl hexonal.....	—	—	1
Ethylene.....	—	—	1
Evaporators (fin coils, ice-makers, etc.).....	—	—	1,850,796
Excelsior, paper.....	—	—	248,239
Excelsior, wood.....	ton	6,646	363,401
Excelsior, wrappers, mats and pads.....	—	—	253,226
Explosives.....	—	—	1
Extracts, flavouring (bakers', confectioners', household, etc.).....	—	—	5,172,387
Extracts, flavouring, etc.(used for soft drinks) (See also "Concentrates used for soft drinks")	gal.	108,194	708,519
Fabrics, coated and impregnated, including felt saturated, book cloth and shoe materials	—	—	2,579,512
Fabrics, rubberized and waterproofed.....	—	—	1,583,231
Fabrics, other, not elsewhere specified.....	—	—	1,435,664
Face cloths.....	doz.	1,055,696	1,051,386
Facial tissue (See "Tissues, cleansing")	—	—	—
Facing and parting, foundry.....	—	—	546,572
Fanning mills.....	No.	1,365	240,163
Fans, electric.....	—	166,616	2,064,447
Farm equipment, n.e.s.....	—	—	909,383
Fasteners, zipper.....	ft.	84,500,248	7,547,631
Fasteners, other than zipper.....	—	—	1,196,962
Fats, animal, n.e.s.....	—	—	37,648
Feathers and down, millinery and other.....	—	—	702,607
Feed, chopped grain.....	ton	549,829	30,678,969
Feed cutters and mixers (See also "Ensilage cutters").....	No.	131	30,637
Feed, poultry.....	ton	1,095,460	92,606,051
Feed, stock.....	"	1,012,894	74,248,772
Feed, stock and poultry, n.e.s.....	"	27,807	2,140,694
Feed supplements n.e.s.....	—	—	1
Felt, coated and saturated (included in "Fabrics coated, etc.")	—	—	—
Felt, cotton.....	lb.	9,008,603	1,241,216
Felt, harness and athletic.....	"	325,133	277,953
Felt, industrial and automotive (uncut).....	—	—	773,083
Felt, insoling, uncut.....	—	—	1
Felt, sole.....	—	—	1
Felt, padding.....	sq. yd.	2,935,789	2,027,372
Felt, paper (See "Paper, building and roofing")	—	—	—
Felt, pennant, crest and fancy lining.....	" "	1,387,265	1,172,837
Felt, shoe and gaiter.....	—	—	284,020
Felt, for pulp and paper making.....	—	—	14,605,348
Felt, n.e.s.....	—	—	1,430,800
Fences, electric.....	No.	13,222	125,602
Fencing, steel wire:	—	—	—
Farm fence.....	ton	13,841	2,826,284
Lawn fence.....	"	1,292	253,216
Chain link fabric.....	"	5,311	1,632,303
Fencing, snow.....	—	—	415,152
Fencing, other.....	—	—	—
Ferric chloride.....	—	—	—
Ferro-alloys, (ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.)	ton	685,695	28,394,876
Fertilizers, complete.....	—	—	33,111,970
Fertilizers, other than mixed including ammonium nitrate(fertilizer grade), ammonium phosphate, calcium cyanamide, ammonium sulphate and superphosphate.....	"	1,172,111	62,866,465
Fertilizer sowers.....	No.	287	22,811
Fibre glass products.....	—	—	1
Fibre, staple (rayon).....	—	—	1
Files and rasps.....	—	—	1
Filing systems supplies.....	—	—	3,861,534
Filling, pie, apple.....	lb.	8,401,173	1,182,256
Filling, pie, other than apple.....	"	14,744,774	3,050,956
Filling, pie, powder, included in ("Powders, pudding")	—	—	—
Films, motion picture.....	—	—	1
Films, photographers' including X-ray films.....	—	—	1
Filter discs, etc.....	—	—	1,086,171
Filters, mining and metallurgical.....	No.	37	690,119
Filters, oil, auto:	—	—	—
Complete.....	"	455,392	806,855
Elements, only.....	"	4,502,370	3,369,269
Firearms.....	—	—	1
Fire clay.....	ton	11,669	72,815
Fire extinguishers and supplies.....	—	—	3,517,372
Fire fighting and fire protection equipment, not elsewhere specified.....	—	—	2,476,138
Fireplaces and furnishings.....	—	—	805,600
Fireworks (see "Pyrotechnics")	—	—	—
Fish, canned.....	lb.	101,710,848	41,095,800
Fish, otherwise prepared.....	"	124,021,000	21,605,600
Fish, fresh, marketed for consumption (sold in factories).....	"	38,750,000	79,697,251
Fishing nets and netting.....	—	—	2,037,705
Fishing tackle.....	—	—	2,403,848
Fixtures, lighting:	—	—	—
Commercial and industrial.....	—	—	16,795,734
Residential.....	—	—	5,631,403
Street-lighting.....	—	—	2,627,662
Searchlights and floodlights.....	—	—	743,074
Other lighting equipment.....	—	—	3,116,966

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Flags and bunting	—	—	382,594
Flashlights and cases	—	—	647,343
Flatware, electro-silver plated and sterling, (See also "Cutlery")	—	—	8,377,020
Flints for lighters	—	—	1
Flitches for veneer mills	M. ft. b.m.	1,924	192,001
Flocks	—	—	732,836
Floor cleaning equipment, n.e.s.	—	—	256,295
Floor covering, including oilcloth, etc.	—	—	1
Flooring, hardwood	M. ft. b.m.	76,144	14,192,383
Flooring, sheet rubber	—	—	1
Floor tile and joists, steel	—	—	1,690,951
Flooring, metal	—	—	1
Flotation machines	—	—	1
Flour, barley	—	—	1
Flour, buckwheat	—	—	1
Flour, corn	—	—	1
Flour, diabetic	—	—	1
Flour, potato (See "Starch and flour")	—	—	—
Flour, prepared and self-raising, cake mixes, pie crust, etc.	ton	47,143	17,738,353
Flour preparations for sausage fillings	—	—	1
Flour, soya bean	—	—	1
Flour, wheat	—	—	—
Spring, No. 1 patent including Semolina	bbl.	3,828,857	35,731,875
Spring, No. 2 patent	"	6,395,988	52,321,393
Spring, No. 3 patent	"	7,017,020	54,959,627
Ontario winter	"	1,459,350	11,068,212
Low grade flour	"	711,034	5,163,657
Durum Semolina	"	310,396	2,919,436
All other	"	545,116	3,845,892
Flour, graham or whole wheat	ton	298,561	2,371,710
Flour, rye	—	5,607	392,063
Flowers, artificial	—	—	2,004,920
Flue linings	—	—	1,099,606
Fly pads and paper	—	—	1
Fly swatters	doz.	42,550	40,501
Foil, tin, lead and aluminum	—	—	8,723,874
Foil products, n.e.s.	—	—	1,258,567
Folding (trade work)	—	—	224,819
Food drinks, liquid (See also "Powder, food drinks")	gal.	3,877,688	3,504,885
Food, bird, fox, dog, etc.:	—	—	—
Bird food	ton	1,432	321,049
Fox biscuits	—	—	1
Dog biscuits	ton	3,576	783,610
Fox and dog biscuits	—	—	—
Canned dog and cat food	ton	45,412	8,255,027
Other dog and cat food	"	9,589	1,798,702
Other fox food	"	2,814	405,680
Mink and other animal food	—	—	2,354,400
Food, stock and poultry n.e.s. (See "Feeds")	—	—	—
Food mixers	No.	228,359	4,339,113
Food, infant, canned	lb.	52,783,530	14,258,136
Food, infant, other including precooked cereal	—	—	2,326,270
Foods, frozen, n.e.s.	—	—	1,511,864
Food products, not specified	—	—	1,322,250
Food warming equipment, n.e.s.	—	—	114,958
Foots, vegetable oil	lb.	1,934,857	99,237
Footwear, leather: (See also "Slippers"):	—	—	—
Felt uppers (including felt slippers):	—	—	—
Babies'	pr.	37,764	39,202
Boys'	"	16,236	37,750
Children's, including little gents	"	37,489	55,699
Men's	"	237,217	644,271
Youths'	"	47,768	38,592
Misses'	"	24,691	43,893
Women's and growing girls'	"	53,460	77,844
Leather or fabric uppers:	—	—	—
Babies'	"	2,708,682	4,908,089
Boys'	"	1,151,160	3,995,114
Children's	"	5,276,777	12,309,041
Men's	"	7,439,121	41,410,619
Youths'	"	346,495	1,371,551
Women's and growing girls'	"	14,145,050	50,140,738
Footwear, moccasins, including shoe packs:	—	—	—
Babies'	"	29,203	25,529
Boys'	"	24,618	45,795
Children's	"	77,001	81,330
Men's	"	134,518	348,123
Youths'	"	3,006	4,992
Women's, misses' and growing girls'	"	563,166	819,020
Footwear, plastic	—	—	2,304,093
Footwear, rubber:	—	—	—
Knee and hip boots, all rubber	pr.	1,629,116	5,602,075
Lumbermen's boots, all rubber	"	527,836	2,182,972
Lumbermen's boots, all leather tops	"	138,667	917,748
Overshoes and goloshes, cloth uppers	"	1,058,645	4,457,234
Overshoes, all rubber (lined and unlined)	"	3,517,800	10,478,332
Light and heavy rubbers	"	3,849,874	4,976,924
Rubber bottoms for leather tops	"	205,216	604,989
Utility footwear with canvas or other fabric tops	"	2,078,752	3,942,208
Footwear, not specified	—	—	902,328
Forgings, including drop, shell, etc.	—	—	28,891,941

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Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Forks (farm implements).....	—	—	1
Formaldehyde.....	—	—	1
Forms, continuous, printed.....	—	—	13,157,008
Formvar.....	—	—	1
Fountains, soda and luncheonette equipment.....	—	—	977,377
Frames and cases, spectacle and sun glasses.....	—	—	1,033,338
Freezers, individual, home and farm.....	No.	13,449	3,537,511
Fringes, cords and tassels.....	—	—	496,268
Frit, enamel.....	—	—	1
Fruit drinks.....	—	—	970,789
Fruit juices, canned, bottled, etc., including grape juice.....	lb.	79,404,930	5,147,277
Fruit peel, candied.....	"	3,450,381	764,756
Fruit pulp.....	—	—	1
Fruit, canned:			
Apples, including crab apples.....	lb.	11,492,831	1,113,736
Apple sauce.....	"	10,106,766	1,080,383
Apricots.....	"	6,369,869	1,060,457
Blackberries.....	"	249,991	47,674
Blueberries.....	"	1,504,359	304,862
Cherries.....	"	9,600,720	1,554,219
Loganberries.....	"	340,884	77,911
Peaches.....	"	53,022,258	8,142,717
Pears.....	"	28,437,947	3,989,335
Raspberries.....	"	10,418,138	1,022,631
Rhubarb.....	"	2,733,237	654,255
Strawberries.....	"	297,250	26,563
Fruit cocktail and fruits for salad.....	"	3,831,598	958,820
Other fruits, not specified, pineapple, etc.....	"	7,691,582	1,537,921
Fruits, fountain.....	"	3,487,756	603,557
Fruits, glacé.....	"	900,146	371,347
Fruits, maraschino cherries.....	"	6,173,017	2,282,689
Fruits, frozen for re-processing.....	"	3,556,244	1,779,329
Fruits, frozen, not for reprocessing.....	—	—	1,672,012
Fruits, frozen, not for reprocessing.....	—	—	4,550,875
Fruits, in SO ₂ for reprocessing.....	—	—	1,194,311
Fruits and flavours for ice cream.....	—	—	869,620
Fry pans, electric.....	No.	107,263	1,486,453
Fuel, hog.....	—	—	550,144
Fur dressing and dyeing.....	—	—	6,498,292
Fur trimming.....	—	—	1,801,184
Fur remodelling, repairing, etc.....	—	—	5,115,733
Furnaces, warm air.....	No.	124,487	23,894,143
Furnaces, industrial, other.....	—	—	791,484
Furnaces, not specified, and furnace parts.....	—	—	1,326,450
Furniture, wood:			
Camp, lawn and verandah.....	—	—	666,644
Children's.....	—	—	3,107,257
Household:			
Bedroom.....	—	—	29,168,903
Breakfast-room.....	—	—	795,784
Dining-room.....	—	—	5,279,585
Kitchen.....	—	—	3,638,725
Living room (not upholstered).....	—	—	6,870,311
Other.....	—	—	3,340,755
Office, store and restaurant.....	—	—	20,679,560
School, church, lodge, etc.....	—	—	9,788,958
Other, furniture and cabinet work, n.e.s.....	—	—	6,375,890
Furniture, metal:			
Breakfast room.....	—	—	15,733,642
Camp, lawn and verandah.....	—	—	2,630,283
Household (including chrome).....	—	—	2,197,338
Office, store, restaurant, theatre etc.....	—	—	15,973,837
Other, not specified.....	—	—	10,397,023
Furniture, wood or metal:			
Living room (upholstered).....	—	—	43,646,508
Not specified (upholstered).....	—	—	3,391,191
Furniture, not specified:			
Camp, lawn and verandah.....	—	—	132,933
Office, school, store, church, theatre, etc.....	—	—	774,157
Furniture frames and parts:			
Wood.....	—	—	4,939,026
Metal.....	—	—	600,700
Not specified.....	—	—	1,110,952
Furniture glides.....	—	—	96,680
Fuses and fuse wire.....	—	—	4,153,996
Gaiters, spats and leggings.....	—	—	84,674
Galvanized ware.....	—	—	1,853,992
Games, not specified.....	—	—	1,760,497
Garage equipment, n.e.s.....	—	—	1,705,177
Gas made:			
Retort coal gas.....	M cu. ft.	10,068,209	—
Coke oven gas.....	"	55,963,493	—
Producer gas.....	"	784,924	—
Water gas.....	"	5,964,861	—
Other.....	"	1,727,972	—
Gas, dry, natural *.....	"	24,317,569	2,102,084
Gas, sold.....	"	18,984,203	19,846,419
Gas used in own coke or gas plants.....	"	13,206,671	3,284,615
Gas used in associated metallurgical work.....	"	38,127,145	8,422,256
Gas, otherwise accounted for, but not sold.....	"	746,489	279,804

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Gas, not accounted for	M cu. ft.	3,053,004	520,821
Gas, still, from petroleum refineries *	"	22,606,560	11,004,834
Gas, oil pints	"	29,063	425,244
Gases, liquifying, petroleum *	imp. gal.	109,251,626	9,018,133
Gasoline *	"	2,761,317,730	506,621,628
Gates	No.	29,895	681,032
Gauges, pressure (Included in "Instruments, scientific")	"	"	"
Gauges, plug, ring, thread, etc.	"	"	875,813
Gears, rubber tired, truck, trailers, etc.	"	"	768,939
Gears, transmission	"	"	1,862,136
Gelatine	"	"	1
Generators:			
Alternating current	No.	101	8,365,246
Direct current	"	275	520,463
Generators, engine driven	"	"	1
Generators, steam and parts	"	"	2,277,139
Glass, bevelled and polished edge, plates and sheets	"	"	1,636,488
Glass, cut (tumblers, bowls, etc.)	"	"	1,203,602
Glass, leaded, including memorial windows	"	"	200,842
Glass, non-shatterable	"	"	22,288,620
Glass, pressed, blown and drawn including bottles, sealers, windows, kitchenware, etc.	"	"	44,868,777
Glass vials and chemical glassware	"	"	583,075
Glassware, decorated	"	"	538,743
Glass products, other, including windshield glass	"	"	2,004,705
Glasses, sight	"	"	692,780
Glasses, sun	"	"	1,068,714
Gloves and mittens, fabric, dress:			
Cotton:			
Men's	doz. pr.	185	3,756
Women's	"	45,794	736,190
Children's	"	6,678	9,100
Not specified	"	3,209	42,519
Nylon, all types	"	77,438	1,021,229
Rayon and rayon mixtures, all types	"	12,578	122,253
Not specified	"	5,486	74,227
Gloves and mittens, fabric, work:			
Cotton, men's, women's and children's	"	800,965	2,259,123
Mixed fabric, men's and women's	"	67,930	254,293
Not specified	"	4,851	32,698
Gloves and mittens, fabric, not specified	"	"	361,783
Gloves and mittens, knitted	"	126,347	915,987
Gloves and mittens, leather, dress:			
Men's, lined	"	124,437	2,542,539
Men's, unlined	"	24,792	660,288
Women's and children's, lined	"	40,800	493,129
Women's and children's, unlined	"	11,142	288,565
Gloves and mittens, leather, work:			
Men's, lined	"	69,027	912,702
Men's, unlined	"	331,440	3,443,232
Women's and children's, lined	"	37,334	369,724
Women's and children's, unlined	"	9,975	87,364
Gloves and mittens, leather, sport (see also "Sport gloves and mittens, baseball, hockey, etc.")	"	"	"
Gloves, plastic coated and rubberized	"	10,376	147,332
Gloves, rubber	"	202,646	880,034
Gloves, rubber	"	178,155	893,215
Glucose	"	"	1
Glue (bone, hide, fish and vegetable)	lb.	65,629,384	9,803,817
Glue stock	"	36,092,366	231,489
Gluten feed	"	"	1
Glycerine, crude	lb.	1,409,092	322,977
Glycerine, refined	"	11,260,069	365,250
Glycols, not specified	"	"	1
Goggles, safety	"	"	1
Gold alloys	"	"	2,850,307
Gold, fine	"	"	826,333
Gold leaf	"	"	1
Golf clubs (coating)	"	"	1
Golf supplies, including golf bags, carts, etc. (See also "Balls, golf")	No.	225,016	1,430,885
Golf supplies, including golf bags, carts, etc. (See also "Balls, golf")	"	"	174,994
Grains, roasted	"	"	1
Grains sold wet and dry (Brewers' and distillers')	ton	212,504	3,762,537
Granite monuments	"	"	3,429,380
Granite, for building purposes	"	"	1,027,204
Granules, roofing	"	"	1
Grape concentrate	"	"	1
Grape juice (included in "Fruit juices")	"	"	"
Graphite (included in "Electrodes carbon and graphite")	"	"	"
Grate bars and grating	"	"	1
Gravy preparations	"	"	464,134
Grease	"	"	2,447,471
Grease, lubricating *	"	"	2,508,589
Grills and hot plates, electric, including stoves for glass coffee makers	lb.	28,122,045	999,602
Grinding machines (metal working)	"	"	98,192
Guanidine nitrate	"	"	1
Gums, unvulcanized	lb.	1,022,475	403,016
Gymnasium supplies, not specified	"	"	310,257
Gypsum blocks and sheathing	sq. ft.	10,059,109	447,760
Hair, animal	"	"	1,593,047
Hair nets (included in "Hair dressing equipment and accessories")	"	"	"
Hair processed (resilatex)	"	"	1
Hair goods, not specified	"	"	95,433
Hair dressing equipment and accessories	"	"	553,339

1. Indicates commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1953 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Halters, leather.....	No.	32,020	66,486
Handkerchiefs.....	doz.	265,108	533,807
Handles, broom and mop.....	No.	10,186,866	726,670
Handles, long tool and axe.....	"	3,207,058	1,561,525
Handles, small tool.....	"	13,581,766	699,049
Handles, n.e.s.....	—	—	1,403,185
Handling equipment, n.e.s.....	—	—	1
Hangers, garment.....	—	—	1,103,994
Hardware appliances (for refrigerators, etc.).....	—	—	278,299
Hardware, automobile.....	—	—	7,271,346
Hardware, builders'.....	—	—	15,588,895
Hardware, furniture.....	—	—	4,368,967
Hardware, harness and saddlery.....	—	—	1
Hardware, pole-line (line materials, distribution specialties, etc.).....	—	—	9,183,041
Hardware, trunk and suitcase.....	—	—	421,140
Hardware, not specified.....	—	—	3,853,788
Harness, double.....	set	520	53,448
Harness, single.....	"	694	35,191
Harness collars.....	No.	15,579	141,466
Harness parts.....	—	—	314,414
Harrows, disc (horse or tractor drawn).....	No.	11,358	2,499,795
Harrows, drag and spring tooth.....	"	38,994	558,909
Harrow carts.....	—	—	1
Hassocks.....	—	—	481,525
Hat blocks.....	—	—	83,816
Hats, cotton:			
Men's.....	doz.	19,709	260,790
Women's.....	"	12,551	137,052
Children's.....	"	16,428	138,336
Hats, fur felt:			
Men's.....	"	87,937	4,636,729
Women's and children's.....	"	31,225	1,484,069
Hats, linen, women's and children's.....	"	4,952	101,485
Hats, wool felt:			
Men's.....	"	15,079	334,139
Women's.....	"	60,759	1,620,288
Children's.....	"	10,812	156,268
Hats, velour felt:			
Women's.....	"	50,999	2,519,841
Other.....	"	—	1
Hats, straw:			
Men's.....	"	15,595	376,646
Women's.....	"	112,558	4,423,660
Children's.....	"	20,004	295,017
Hats, panama.....	"	4,265	97,050
Hats, silk and rayon, women's and children's.....	"	19,853	423,725
Hats, velvet, women's and children's.....	"	51,513	1,374,893
Hats, wool, women's and children's.....	"	8,612	147,446
Hats, not specified:			
Men's.....	"	8,403	47,730
Women's.....	"	39,529	911,434
Children's.....	"	18,902	96,189
Tams, berets and turbans.....	"	5,143	47,863
Headwear, not specified.....	—	—	1,350,734
Hats and caps, fur (See also "Caps, fur").....	—	—	42,353
Hats, cleaned and reblocked.....	—	—	1
Hat bodies.....	doz.	172,748	2,266,835
Hatters' supplies, including hat linings.....	—	—	178,839
Hay loaders.....	No.	1,272	286,545
Hay rakes, dump, tedders, etc.....	"	9,910	2,182,109
Hay balers, hay carriers, etc.....	"	3,867	4,304,776
Heading, barrel.....	—	—	301,044
Hearing aids.....	—	—	1
Heaters, air, electric.....	No.	93,257	1,300,049
Heaters, auto and engine.....	—	—	4,318,625
Heaters, electric, unit.....	—	—	4,427,004
Heaters, water tank, coal, wood or oil.....	No.	643	29,117
Heaters, water tank, gas.....	"	46,932	2,380,749
Heaters, water tank, electric.....	"	271,803	958,573
Heaters, water, electric, including tanks and controls.....	"	48,921	3,341,753
Heaters, not specified.....	—	—	129,280
Heating and ventilating equipment, not elsewhere specified.....	—	—	11,629,475
Hectograph composition.....	—	—	221,210
Heels, leather and wood.....	pr.	21,281,118	3,275,254
Heels, rubber and composition.....	"	15,701,165	1,881,761
Heel lifts.....	—	—	6,324
Helmets.....	—	—	43,524
Hexachlorethane.....	—	—	1
Hexamethylenediamine.....	—	—	1
Hides, all kinds.....	—	—	9,220,067
Hockey pucks.....	doz.	35,968	48,323
Hockey sticks.....	No.	2,090,066	1,425,855
Hoes, hand.....	—	—	224,872
Hoists.....	—	—	2,600,320
Hollow-ware, copper.....	—	—	1
Hollow-ware, sterling silver.....	—	—	272,454
Hollow-ware, silver-plated on Britannia metal.....	—	—	82,045
Hollow-ware, silver-plated on brass and copper.....	—	—	1,504,866
Hollow-ware, silver-plated on lead alloy.....	—	—	130,133
Hollow-ware, silver-plated on nickel silver.....	—	—	24,503

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1935 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Hollow-ware, other	—	—	160,922
Holster sets	—	—	1
Honey butter	—	—	1
Hooks, eyes, notions, etc., not elsewhere specified	—	—	452,089
Hoops, wooden	M	1,636	49,890
Hoops, steel and steel wire (Included in "Sheets, hoops, bands and strips, iron and steel")	—	—	—
Hooves and horns	lb.	2,027,139	46,140
Hormones, sex	—	—	2,475,971
Horseradish, prepared	lb.	508,646	280,020
Horseshoes	—	—	127,337
Hose, fire, cotton or linen	—	—	1,571,376
Hose, fire, rubber	lb.	748,096	1,136,234
Hose, garden, koroseal	—	—	1,002,966
Hose, garden, rubber	ft.	6,755,134	765,332
Hose, other	—	—	8,642,325
Hosiery:			
Cotton and cotton mixtures:			
Men's seamless:			
Work socks	doz., pr.	110,544	524,448
Fine socks	—	163,591	546,288
Other (anklets, sport, etc.)	—	148,907	621,256
Women's seamless:			
Full length stockings	—	184,138	761,722
Other (anklets, sport, etc.)	—	265,028	664,676
Children's, seamless:			
Full length stockings	—	398,614	1,191,215
Golfers	—	16,931	61,793
Other	—	162,351	1,484,804
Full fashioned (all types)	—	44,090	216,079
Silk and silk mixtures, seamless and full-fashioned	—	24,335	289,112
Rayon and rayon mixtures:			
Men's, seamless	—	33,116	167,152
Women's, seamless	—	50,886	135,277
Children's, seamless	—	69,147	161,002
Full-fashioned (all types)	—	13,356	126,372
Nylon:			
Seamless	—	1,665,942	9,635,901
Full-fashioned	—	4,026,999	28,841,265
Wool and wool mixtures:			
Men's, seamless:			
Work socks	—	516,370	2,837,084
Fine socks	—	490,611	4,465,034
Other	—	295,149	2,437,786
Women's seamless:			
Full length stockings	—	47,695	437,888
Other (anklets, etc.)	—	84,800	310,906
Children's, seamless:			
Full length stockings	—	103,762	626,957
Golfers	—	92,671	506,757
Other (half length, anklets, etc.)	—	103,003	443,992
Hosiery, not specified	—	112,491	691,188
Hospital equipment	—	—	869,566
Household equipment - n.e.s.	—	—	859,329
Houses, pre-fabricated (See "Buildings, etc. pre-fabricated")	—	—	—
Humidifiers and air conditioners	—	—	631,357
Hydrants	No.	12,494	1,933,018
Hydrogen	—	—	1
Hydrogen chloride, anhydrous	—	—	1
Hydrogen peroxide	—	—	1
Hydrol	—	—	1
Ice, artificial	ton	633,526	3,899,606
Ice cream (factory)	gal.	31,311,644	50,981,337
Ice cream mix	—	—	4,040,561
Ice cream sundries	doz.	17,215	15,636
Icings and icing paste, n.e.s.	—	—	505,690
Implements, hand, n.e.s.	—	—	245,728
Incense and incense charcoal	lb.	1,934	2,373
Incubators and other poultrymen's supplies	—	—	74,498
Infants' wear (See also "Knitted Infants' wear"):			
Bibs	doz.	107,957	233,187
Coats	—	21,776	1,264,077
Dresses	—	115,114	1,417,954
Diapers	—	154,998	793,818
Headwear	—	28,315	181,252
Night gowns	—	87,156	468,691
Rompers	—	54,160	641,690
Sleepers (See also "Children's sleepers")	—	51,573	636,843
Sleeping bags	—	8,000	476,793
Slips	—	2,173	33,545
Not specified	—	—	819,590
Ingots (See "Aluminum", "Steel", "Brass", "Bronze")	—	—	—
Ink eraser, liquid	—	—	1
Ink, printing and lithographing	lb.	28,428,340	12,783,015
Ink, writing	—	—	388,235
Ink, not specified	—	—	384,320
Insecticides including D.D.T.	—	—	7,355,937
Instruments and accessories, scientific, n.e.s.	—	—	21,506,848
Insulating materials, n.e.s. (See also "Wool, mineral" and "Vermiculate")	—	—	1,831,668
Insulators, porcelain and insulator parts	—	—	6,660,003

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Interoffice communication sets, excluding telephone apparatus provided	—	—	1
Iron, pig:			
Quantity made	ton	3,215,367	—
Quantity sold	"	609,978	30,539,000
Iron and steel products, rolled, n.e.s.	—	—	1,381,394
Irons, electric	No.	597,157	4,771,441
Irons, gasoline	—	—	202,798
Ironers, electric	No.	4,659	447,496
Iron work ornamental and architectural	—	—	13,278,468
Ironing boards	No.	84,621	461,682
Irrigation equipment	—	—	1,354,868
Jacks, auto	—	—	1
Jacks, lift, screw and ratchet	—	—	1
Jams	lb.	81,436,329	14,728,853
Javelle water	—	—	8,384,549
Jellies	lb.	7,371,794	1,430,401
Jewellery	—	—	20,720,663
Jigs and fixtures	—	—	2,718,478
Jointers, woodworking	No.	3,277	200,148
Jute, jute padding and jute yarn	—	—	882,510
Kegs, beer	No.	4,012	87,030
Kegs, fish	"	4,830	16,798
Kegs, nail, etc.	"	1,393,104	786,380
Kettles, electric	"	317,002	2,100,873
Kitchen equipment for hotels, cafeterias, etc.	—	—	5,354,685
Kitchenware, aluminum, including pressure cookers	—	—	6,831,189
Kitchenware and ovenware, glass, (included with "Glass, pressed and blown")	—	—	4,793,485
Kitchenware, other (See also "Woodenware, kitchen")	—	—	1,294,106
Knitted fabrics:			
Cotton stockinette, including meatwrap	—	—	2,498,210
Cotton, not specified	lb.	1,944,941	6,140,871
Nylon and nylon mixtures	"	1,647,010	4,421,879
Rayon and rayon mixtures	"	3,314,226	2,112,887
Wool	"	923,220	281,446
Other	"	93,123	2,769,425
Knitted goods, miscellaneous:			
Infants' jackets, booties, etc.	doz.	367,351	61,241
Not specified	—	—	1,223,494
Knitting, custom	—	—	1,650,142
Knives, machine	—	—	1,183,081
Knives, bread	—	—	1,191,592
Labels, gummed paper	—	—	1,618,395
Labels, fabric	—	—	38,677
Lace, all kinds	—	—	1,596,041
Laces, corset	—	—	1,689
Laces, shoe, (silk, cotton, etc.)	—	—	8,156,415
Laces, shoe, leather	—	—	1
Lacquers	gal.	2,654,331	1,846,072
Lacrosse sticks	—	—	16,213,384
Lactose (See "Sugar of milk")	—	—	3,561,358
Ladders, step, extension, etc.	—	—	2,428,869
Lamps, incandescent, except therapeutic (bulbs)	—	—	2,641,777
Lamps, fluorescent (bulbs)	—	—	4,141,873
Lamps, photo flash	No.	25,770,117	632,202
Lamps, electric:			
Floor	—	—	218,585
Table	—	—	2,532,526
Other	—	—	1
Lamps, other	—	—	14,659,175
Lamp shades and wire frame	—	—	1,283,924
Lamp stands and lamp bases	—	—	1
Lanterns, including railway, marine, etc.	lb.	105,514,021	920,579
Lard	—	—	50,152
Lasts, trees, and shoe findings, not specified	—	—	3,664,278
Latex compounds	—	—	11,612,443
Latex, foamed (included in "Rubber goods, sponge")	—	—	1,613,497
Lathes, metal-working	—	—	1
Lathes, wood-working	No.	1,374	8,810,685
Lath, metal	—	—	411,515
Lath, gypsum	sq. ft.	396,675,440	1
Laths, wood*	M.	149,663	210,663
Lead, naphthenate	—	—	1,134,747
Lead, refined (metal)	lb.	57,460,221	553,726
Lead, red	"	2,236,130	125,618
Lead, white, dry	—	—	260,953
Lead, white, ground in oil	lb.	1,095,952	886,959
Lead, sheet	"	5,729,644	1,650,439
Lead products, n.e.s.	—	—	2,966,543
Lead for pencils	—	—	306,659
Leather:			
Belting	—	—	228,712
Bag, case and strap	sq. ft.	2,087,221	75,955
Garment	"	6,213,072	536,609
Glove	—	—	5,123,506
Harness	lb.	554,635	1,314,225
Lace	"	161,282	
Oil tanned, shoe pack	"	293,924	
Sole:			
Belles	"	1,698,714	
Bends	"	8,767,954	
Shoulders	"	2,950,854	

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
\$			
Leather - Concluded:			
Upholstering (included in "Leather not specified")			
Upper leather:			
Calf skins	sq. ft.	10,933,430	6,854,511
Cattle and horse hides	"	57,300,118	17,965,395
Chrome splits	"	15,583,448	2,385,592
Goat skins	"	640,929	219,755
Sheep skins	"	320,511	70,486
Patent and enamelled shoe leather (included in "Other upper leather, not specified")			
Other, not specified	-	-	1,418,706
Leather splits, not specified	-	-	903,698
Leather, not specified	-	-	2,140,702
Leather, artificial	-	-	6,495,646
Leather goods, not specified	-	-	125,454
Lecithin	-	-	1
Lemon butter and cheese	-	-	1
Lenses, optical	No.	2,328,075	2,724,763
Lenses, optical, contact	-	-	1
Lenses for optical instruments	-	-	1
Life buoys, jackets, belts, etc.	-	-	133,622
Lighter fluid	-	-	632,093
Lighters, cigarette, and parts	-	-	1,120,505
Lightning rods and supplies	-	-	309,631
Lignosulphonates	-	-	1
Lime, quick (including value of containers)	-	-	16,777,297
Limestone (building and monument)	-	-	3,065,364
Line material (See "Hardware, pole-line")			
Linings, brake, asbestos	-	-	3,773,873
Linings, glove and shoe	lb.	564,387	654,066
Linings, n.e.s.	-	-	1
Litharge	lb.	9,960,167	1,669,889
Locomotives, diesel-electric, new*	No.	284	45,514,731
Locomotives, standard, steam*	"	78	14,177,805
Locomotives and car parts, n.e.s.*	-	-	15,926,312
Looms, weaving	-	-	1
Lubricating systems, automobile and other	-	-	1,089,644
Lumber, matched	M. ft. b.m.	204,462	20,059,135
Lumber, planed	"	4,385,660	335,571,063
Lumber, sawn	"	5,157,543	330,611,604
Lumber, not specified	-	-	683,214
Lye	-	-	1
Macaroni and spaghetti, canned	lb.	33,316,221	3,848,906
Macaroni, vermicelli, spaghetti, etc., dry	"	80,191,437	9,539,212
Machinery:			
Accounting machines (see also "Machinery, office")	-	-	1
Adding and other calculating (See also "Machinery, office")	No.	19,707	3,442,559
Bakers', mixing	"	709	600,187
Bakers', not elsewhere specified	-	-	297,913
Boring (metal-working)	-	-	118,107
Bottlers'	-	-	102,895
Canning and parts	-	-	1,167,472
Chlorinating	-	-	1
Cleaning and pressing (included in "Laundry, cleaning and pressing")			
Coal handling and coal pulverizing	-	-	462,463
Concrete and cement making	-	-	4,037,649
Conveying and elevating (except passenger and freight elevators) and parts	-	-	13,203,372
Dairy, including milking machines	-	-	3,028,191
Flour and grist mill, not elsewhere specified	-	-	527,987
Grain grinding, rolling, etc.	No.	3,061	166,063
Grain loaders and elevators	-	-	2,614,889
Hoisting, except mine hoists	-	-	8,780,212
Kitchen and other household	-	-	2,995,595
Knitting	-	-	1
Laundry, cleaning and pressing	-	-	1,899,679
Leather working	-	-	1,007,596
Logging	-	-	1,333,936
Lumber and shingle drying	-	-	801,842
Metal-working, not elsewhere specified	-	-	214,928
Milking (included in "Machinery dairy")			
Mining and metallurgical, not elsewhere specified, and parts	-	-	10,104,023
Office, n.e.s. (See also "Accounting, adding and calculating machinery")	-	-	12,217,998
Oil refining	-	-	891,411
Plastics	-	-	31,902
Printing	-	-	388,212
Pulp and paper	-	-	17,096,602
Road and excavating	-	-	5,964,335
Rolling mill	-	-	913,328
Rubber mill	-	-	1,416,465
Saw and planing mill	-	-	3,828,752
Sewing	-	-	1
Ships' and fittings	-	-	10,373,814
Stone working	-	-	111,701
Textile, n.e.s.	-	-	380,498
Transmission	-	-	2,653,713
Vulcanizing	-	-	1
Washing machines:			
Electric	No.	274,626	29,682,020
Other power	-	-	560,381
Parts and accessories	-	-	349,564
Water softener equipment	-	-	1
Wood-working, n.e.s.	-	-	1,347,889
Other, not specified	-	-	16,230,675
Machinery parts, not specified	-	-	652,097

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Magnesium products	—	—	1
Malt, made for sale	—	—	1
Malt, caramel (made for colouring) (included in "Colours, food")	—	—	1
Malt flour	—	—	102,282
Malt extract and syrup	—	—	646,238
Malt coomings and sprouts	—	—	1
Manganese naphthenate	—	—	1
Mantles, lamp and stove	—	—	1
Manure spreaders and loaders	—	—	1
Maple butter	—	—	1
Maple products	—	—	1,518,499
Maps	—	—	1,091,789
Marble chips and dust	—	—	1
Marble monuments	—	—	629,022
Marble for building purposes	—	—	962,238
Margarine and margarine substitute	lb.	123,303,239	28,925,066
Marine and fishermen's supplies	—	—	318,489
Marmalades	lb.	20,117,483	3,183,966
Match splints and match blocks	—	—	1
Matchers, wood-working	—	—	186,452
Matches	No.	22	4,285,074
Mats and matting, rubber	—	—	3,537,937
Mattresses, including air and sponge	—	—	20,031,757
Meal, barley	—	—	1
Meal, cereal grass	ton	56,450	3,393,885
Meal, cocoanut oilcake	—	—	1
Meal, corn	ton	—	6,867
Meal, fish	—	—	738,283
Meal, linseed oilcake	—	—	68,407
Meal, meat, hoof, lung, liver, etc.	—	—	8,642,500
Meal, rapeseed oil cake	lb.	43,102,278	3,741,366
Meal, rice	ton	5,707	1,868,773
Meal, rye	—	—	270,661
Meal, sunflower oilcake	ton	1,023	65,104
Meal, soybean oilcake	ton	279,069	20,131,457
Meats:			
Meats, fresh and frozen	lb.	1,347,925,726	431,515,723
Poultry, fresh and frozen	"	44,443,284	21,259,651
Horse meat, fresh and frozen	"	361,821	30,801
Meats, cured and smoked	"	251,669,910	119,790,229
Meats cooked, and sausage	"	259,636,263	96,166,752
Meats canned:			
Beef	"	16,493,975	5,133,175
Pork	"	39,700,894	22,280,950
Poultry	"	3,178,713	2,619,020
Miscellaneous	"	23,138,735	6,918,051
Meat scrap, cracklings, etc.	"	31,822,650	1,406,453
Medicines and pharmaceuticals, n.e.s.:	—	—	20,662,199
Registered as patent medicines (all ingredients not declared)	—	—	36,837,450
Ethical specialties for human use, n.e.s.	—	—	719,464
Oral antiseptics	—	—	5,579,026
All other human medicines	—	—	1,404,077
Metal products, not specified	—	—	1
Meters, gasoline	—	—	1
Meters, water	—	—	1
Meters, not specified and meter parts	—	—	1,095,056
Methyl isobutyl ketone	—	—	1
Methyl hydrate, crude and refined	—	—	1
Mica products	—	—	1
Milk, sold in dairy factories	gal.	177,370,835	128,004,175
Milk, transferred to other branches of the firm	"	13,487,818	4,374,458
Milk, buttermilk, sold	—	—	1,477,010
Milk, buttermilk, condensed	—	—	1
Milk, condensed	lb.	16,388,395	2,303,548
Milk, evaporated	"	294,597,205	34,494,405
Milk, skim	—	—	3,023,519
Milk, skim, condensed	lb.	5,294,846	445,237
Milk, skim, evaporated	"	9,389,405	355,715
Milk products, not specified	"	19,546,574	2,712,864
Milk drinks, (See "Food drinks")	—	—	1,144,072
Milling cutters	—	—	1,182,086
Mincemeat	lb.	6,811,993	1,710,393
Mine timbers, props, wedges, etc.*	—	—	4,559,477
Mirrors	—	—	1
Mixers, industrial	—	—	1
Modelling clay	—	—	1
Molasses	ton	40,075	775,547
Monuments, lettered only	—	—	659,086
Monuments, (See "Granite", "Limestone", and "Marble")	—	—	32,157
Monuments, artificial stone, bases, etc.	doz.	69,107	110,530
Mops, dish	—	—	230,932
Mops, floor:			
Cellulose	"	30,064	1,528,851
Wet	"	203,298	1,050,179
Dry	"	91,995	96,136
Mops, n.e.s.	—	—	67,788
Mop parts	—	—	503,697
Morticians' goods	—	—	21,075
Mortisers (wood working)	No.	47	888,766
Motor driven appliances and equipment	—	—	—

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Motors, electric, A.C. and D.C. (except starting motors)	No.	1,743,395	37,673,339
Motors, other, and parts	—	—	2,185,843
Moulders, wood-working	No.	21	132,129
Mouldings	—	—	13,160,181
Moulds and dies	—	—	958,484
Moulds for bakelite and rubber	—	—	6,396,743
Mould stools, ingot	—	—	1
Mounting (trade work)	—	—	620,142
Mowers, hay (horse and tractor)	No.	19,579	4,988,324
Mowers, lawn	"	103,343	4,129,060
Mucilage	—	—	155,276
Muffs, fur	No.	943	23,736
Muff beds	doz.	356	7,225
Munitions and other war supplies	—	—	65,863,667
Muriate of potash	ton	3,224	181,109
Music, printed	—	—	177,713
Musical powder boxes and music boxes	—	—	1
Musical instruments and parts, n.e.s.	—	—	71,357
Mustard, dry	lb.	189,674	62,438
Mustard, prepared	"	1,320,453	1,663,921
Mustard, compound	"	116,002	28,324
Nails, aluminum	—	—	263,340
Nails, brass and copper:			
Quantity made	lb.	198,856	—
Quantity shipped	"	183,253	105,988
Nails and spikes cut from plate:			
Quantity made	kegs	17,649	—
Quantity shipped	"	17,647	248,078
Nails, tacks and brads, wire:			
Quantity made	"	1,790,619	—
Quantity shipped	"	1,864,258	15,896,684
Nails, horseshoe and other, n.e.s.	—	—	167,366
Naphthalene	—	—	1
Naphtha V.M. and P. or solvent*	—	—	7,569,166
Napkins, paper	M.	2,674,483	2,983,518
Napkins, sanitary	—	—	9,356,679
Neckties	doz.	830,221	7,144,053
Neckwear, women's	—	37,020	267,332
Neckpieces, fur	No.	8,192	1,074,684
Needles, knitting machine	—	—	1
Needles, knitting, other	—	—	48,709
Nickel-silver, n.e.s.	lb.	961,735	754,937
Nightdresses:			
Cotton and flannelette	doz.	124,287	1,831,256
Nylon	"	57,383	1,672,250
Rayon and silk	"	99,748	1,693,113
Night dresses, knitted and other n.e.s.	"	22,532	797,599
Nightshirts	"	2,077	50,159
Nitrobenzol	—	—	1
Nitrogen	—	—	398,665
Nitrous oxide	—	—	261,367
Non-ferrous alloys, n.e.s.	—	—	191,825
Novelties, plastic	—	—	785,896
Novelties, printed	—	—	1,741,041
Novelties, other	—	—	1,966,668
Nuts, roasted, salted, etc. (See also "Peanuts, roasted, salted")	lb	3,602,707	3,089,008
Nylon fabric (See "Silk and synthetic fabrics" and "Knitted fabrics")	—	—	—
Oars and paddles	—	—	200,942
Oats, rolled	ton	41,304	6,695,393
Oatmeal	"	3,519	422,527
Offal, not specified	"	55,856	1,831,037
Oil burners and parts	—	—	14,890,675
Oilcloth, other than floor	—	—	1
Oil, aniline	—	—	1
Oil, cocoanut, crude and processed	lb.	20,607,319	3,163,896
Oil, core	—	—	682,613
Oil, corn, crude	—	—	1
Oil, corn, refined	—	—	—
Oil, cotton seed	lb.	7,085,906	1,461,621
Oil, creosote	—	—	2,863,728
Oil, fish (industrial)	lb.	30,222,000	2,589,000
Oil, fish (Vitamin)	m/u's	3,913,952	318,200
Oil, fish, n.s.	—	—	1,423,905
Oil, fuel:			
Aviation turbine*	imp. gal.	92,081,305	14,439,362
Diesel*	"	539,173,046	77,215,158
Heavy fuel oil: *			
For own use	"	205,372,545	15,747,366
For sale	"	1,191,240,041	92,208,844
Light fuel oil: *			
For own use	"	3,956,357	268,825
For sale	"	1,006,137,766	148,083,831
Tractor*	"	5,724,067	891,959
Oil, fusel, (sold)	"	54,440	24,702
Oil, industrial, n.e.s.	"	4,943,084	2,569,033
Oil, lard	—	—	1
Oil, light n.e.s.	gal.	6,500,018	1,681,387
Oil, linseed, boiled	"	424,288	585,394
Oil, linseed, raw	"	3,164,444	3,306,206
Oil, linseed, special	"	2,831,218	3,491,036

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1953 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Oil, lubricating *	—	—	—
Oil, neatsfoot	—	—	—
Oil, oleo	lb.	763,013	45,470,068
Oil, palm and palm kernel	"	2,833,206	127,131
Oil, peanut	—	—	416,935
Oil, rapeseed	lb.	—	1
Oil, soybean	—	3,975,335	1,079,296
Oil, stand blown, enamel, etc.	—	—	1
Oil, stove *	lb.	121,097,825	15,528,448
Oil, sulphonated, textile oils and other textile chemicals	gal.	—	1
Oil, sunflower seed	lb.	381,548,665	63,604,262
Oil, vegetable, n.e.s.	"	5,446,027	638,199
Olives, other n.s.	"	2,234,067	419,292
Oil stock	—	48,474,351	8,315,392
Olives, bottled, etc.	—	—	1,285,752
Optical equipment n.e.s.	—	—	247,987
Organs, electronic	gal.	927,070	4,634,096
Organs, other, and parts	—	—	1
Ornaments, n.s.	—	—	1
Ovens, commercial, cooking	—	—	1,332,595
Ovens, industrial, electric	—	—	713,947
Overalls (See also "Smocks, etc.")	No.	134	409,943
— Rib:	—	—	889,869
Men's and youths'	—	—	—
Boys	doz.	86,848	3,246,749
Coveralls:	"	14,135	292,991
Men's and youths'	—	—	—
Boys'	"	47,574	2,906,844
Dungarees and waist band:	—	426	10,454
Men's and youths'	—	—	—
Boys'	"	212,474	6,166,365
Overall coats (jumpers only):	"	226,018	4,715,061
Men's and youths'	—	—	—
Other, n.e.s.	—	12,381	443,335
Smocks, dusters and shop coats	—	—	6,795
Children's, all kinds	doz.	30,982	1,351,188
Not specified	"	224,613	2,549,238
Oxygen	—	19,333	480,824
Asbestos	cu. ft.	1,000,279,075	7,410,259
Asbestos, rubber	—	—	1,107,322
Asbestos, not specified	lb.	1,799,646	821,732
Asbestos, electric, heating	—	—	179,396
Asbestos, couch	—	—	774,100
Asbestos, shoulder	No.	5,417	47,209
Asbestos, stamp	doz.	1,517,499	1,526,455
Asbestos, sweat	—	—	52,456
Asbestos and padding n.s.	No.	27,594	38,227
Asbestos, paper	—	—	1,947,622
Asbestos, tin	—	—	1
Asbestos, tinting equipment, n.s.	—	—	170,821
Asbestos, varnish and enamel removers	—	—	2,221,538
Asbestos, cement	gal.	128,093	348,958
Asbestos, latex emulsion	—	—	77,168
Asbestos, water-chilled:	gal.	2,522,112	9,528,122
Resin emulsion paints, paste and semi-paint form:	—	—	—
Interior	—	—	—
Exterior	"	127,096	441,249
Casein and other protein bound, (cold water paints):	"	11,445	34,979
Interior	—	—	—
Exterior	—	—	172,709
Texture-type water paints	—	—	357,243
Calcimines:	lb.	1,144,158	101,065
Hot water	—	—	—
Cold water	"	797,211	105,742
Paints, ready mixed (including asphalt and tar)	"	168,490	19,284
Paints, paste (not including water-paste paints)	gal.	11,741,066	42,304,840
Paints and enamels, other (See also "Enamels" and "Lacquers")	lb.	2,437,806	595,499
Plastics (skids)	—	—	419,801
Plastics, breeches, etc:	No.	628,825	1,699,342
Breeches:	—	—	—
Men's and youths':	—	—	—
Cotton	—	—	—
Wool and wool mixtures	—	—	—
Boys':	doz.	12,053	339,795
Cotton	—	—	—
Wool and wool mixtures	—	—	—
Paints and slacks, fine, separate, dress and sport:	doz.	7,684	174,662
Men's and youths':	—	—	—
Cotton or chiefly cotton	No.	178,886	588,204
Rayon	"	888,823	3,906,407
Rayon mixtures, chiefly rayon	"	994,764	4,071,282
Wool	"	866,263	8,358,870
Wool mixtures, chiefly wool	"	333,506	2,106,076
Boys':	—	—	—
Cotton or chiefly cotton	"	176,790	399,301
Rayon	"	494,003	1,317,150
Rayon mixtures, chiefly rayon	"	440,900	1,132,556
Wool	"	163,119	527,267
Wool mixtures, chiefly wool	"	292,324	770,483
Ants, soccer, hockey, etc.	—	—	144,270

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Pants, breeches, etc. - concluded:			
Pants, uniform, separate:			
Men's and youths':			
Military	No.	358,233	1,900,679
Non-military	"	76,737	1,077,429
Pants, work:			
Men's and youths':			
Cotton	doz.	219,079	7,415,237
Wool and wool mixtures	"	34,945	1,861,558
Not specified	"	6,827	242,750
Boys':			
Cotton	"	32,958	793,307
Wool and wool mixtures	"	13,336	329,068
Pants, baby (plastic, rubber, etc.)	"	404,122	1,694,059
Pants, rubberized and oiled	"	1,530	58,365
Pants, not specified	"	-	433,966
Paper:			
Adding machine and cash register	-	-	608,417
Asbestos	lb.	4,526,319	411,801
Blotting, clay coated and enamelled	-	-	1
Blue print and photostat	-	-	2,863,549
Book (basic)	s. ton	97,000	22,434,967
Box cover, coloured	-	-	711,663
Writing pads, tablets, etc.	-	-	1,582,155
Building and roofing paper:			
Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	2,967,193	19,725,696
Mineral surfaced rag and asbestos felt roll roofings	"	793,363	2,490,727
Smooth surfaced rag and asbestos felt roll roofings	"	1,052,829	2,569,406
Roll type rag and asbestos felt siding	"	291,299	967,506
Tar and asphalt saturated rag and asbestos felts, not coated	ton	55,679	5,038,037
Tar and asphalt saturated and/or coated sheathings	"	18,977	2,483,083
Other felts, and sheathings	"	533	49,922
Insulated siding	square	247,174	2,583,712
Building papers, n.s. (basic)	-	-	7,831,539
Carbon	-	-	2,898,228
Cigarette tubes and paper	-	-	1,326,088
Coated and other paper n.e.s.	-	-	8,576,114
Corrugated (paper and wrappers)	-	-	1,463,381
Creped or crinkled	lb.	1,362,649	683,706
Fine (basic)	s. ton	101,031	32,526,601
Fine, miscellaneous (basic)	"	23,548	7,896,901
Foil backed	lb.	2,753,012	988,426
Foolscap	ream	144,050	211,841
Friction or flint glazed	-	-	1
Gummed (in sheets)	-	-	1
Special, industrial	s. ton	7,940	2,290,387
Lining, pan, shelf, etc.	-	-	562,307
Parchment, vegetable	-	-	1
Paper napkins and doilies (See "Napkins" and "Dolies")	-	-	1
Newsprint paper (basic):			
In sheets, for printing	s. ton	65,226	8,391,640
In rolls for printing	"	5,957,980	661,646,711
Side runs for pulping	"	30,902	2,306,409
Counter rolls	-	-	1
Other	s. ton	155,825	17,366,686
Printing and specialty paper, ground wood	"	79,773	12,045,880
Safety paper, for cheques, etc.	-	-	1,139,285
Sanitary (basic)	s. ton	91,800	19,567,937
Tissue, converted	-	-	4
Tissue, other than sanitary, (basic stock)	s. ton	14,952	4,257,220
Toilet, converted	case	1,924,465	14,901,246
Towels, paper (See "Towels")	-	-	461,330
Typewriter	-	-	1
Wall paper	-	-	1
Waterproofed, other than waxed, n.e.s.	-	-	1
Waxed paper:			
Read wrappers	lb.	29,689,223	6,840,651
Other, plain and printed	"	54,878,655	11,266,461
Wrapping paper (basic stock):			
Unbleached sulphate kraft No. 1 and 2	ton	213,427	39,705,562
Bleached sulphate or sulphite	"	26,891	8,103,745
Unbleached and semi-bleached sulphite and sulphate	"	2,808	695,793
Miscellaneous furnishes	"	14,415	2,818,898
Wrapping, special	"	6,374	2,674,861
Paper, miscellaneous, n.e.s. (converted)	-	-	444,486
Paper goods	-	-	1,339,682
Paper board:			
Box board (basic stock)	s. ton	444,627	58,173,239
Container board:			
Container chip (basic stock)	"	8,901	935,514
Corrugating board (basic stock)	"	148,929	18,725,717
Liners (basic stock)	"	258,914	33,877,272
Mounting board, photo, etc.	-	-	1
Clay coated and enamelled	-	-	1
Coated other, not specified	-	-	1
Wallboard, building board, n.e.s.	-	-	5,433,570
All other board and paper n.s.	sq. ft.	43,009,205	1,804,937
Papeteries (stationery in boxes) (See also "Paper- writing pads, tablets etc.")	-	-	2,073,028
Parachutes and parachute equipment	-	-	872,092
Parafilm	-	-	896,992
Paraldehyde	-	-	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Partitions, office	—	—	570, 843
Paste, adhesive	—	—	527, 895
Paste, meat and chicken	lb.	4, 005, 454	1, 880, 674
Paste, flavouring	"	155, 572	39, 925
Paste, tooth (See "Dentifrices")	—	—	—
Patterns and models, foundry and other, wood and metal	—	—	3, 206, 493
Patterns, paper	—	—	514, 942
Peanut butter	lb.	25, 718, 298	7, 750, 651
Peanuts, roasted and salted (for sale) (See also "Nuts, salted, etc.")	"	21, 434, 391	7, 524, 994
Pearls, artificial and simulated	—	—	963, 430
Peavies, cant hooks and pike poles	No.	16, 818	487, 504
Pectin	—	—	1
Pencils, non-mechanical	gr.	598, 870	2, 738, 851
Pencils, mechanical	doz.	115, 685	556, 149
Pencil parts	—	—	46, 937
Penicillin (included in "Antibiotics")	—	—	—
Penicillin preparations	—	—	2, 251, 097
Penicillin-streptomycin preparations	—	—	1, 087, 345
Pennants	—	—	133, 905
Pens, ball point (including liquid lead pencils)	doz.	946, 728	2, 452, 264
Pens, fountain	"	191, 977	2, 994, 612
Pens, fountain, ball point and other, parts	—	—	947, 885
Pentaerythritol	—	—	1
Pentanol acetate	—	—	1
Perchlorethylene	—	—	1
Percolators, electric (See "Coffee-makers, electric")	—	—	—
Perfumes	—	—	1, 444, 629
Periodicals, printed by publishers:			
Newspapers daily:			
Gross revenue from advertising	—	—	127, 224, 192
Subscriptions and sales	—	—	43, 536, 607
Newspapers, weekly and other:			
Gross revenue from advertising	—	—	32, 009, 603
Subscriptions and sales	—	—	12, 778, 365
Magazines:			
Gross revenue from advertising	—	—	15, 807, 189
Subscriptions and sales	—	—	6, 063, 736
Other publications:			
Gross revenue from advertising	—	—	37, 433, 103
Subscriptions and sales	—	—	12, 184, 770
Petrochemical feed stocks	—	—	4, 775, 944
Phenol	—	—	1
Phenacetin	—	—	1
Phonographs, electrically operated (included with "Record players-electrically operated")	—	—	1
Phosphorus	—	—	1
Phosphorus sesquisulphide	—	—	1
Photo-engraving (trade work)	—	—	11, 512, 027
Photographic materials, n.e.s. (including photo paper)	—	—	1
Photography (commercial)	—	—	591, 765
Phthalic anhydride	—	—	1
Planos:			
Grand	No.	75	82, 429
Upright	"	5, 874	2, 263, 389
Piano strings and other parts	—	—	713, 341
Pickets, wood	M	6, 340	683, 091
Pickles, relishes and sauces (See also "Tomato Catsup")	—	—	13, 523, 653
Picrite	—	—	1
Pictures, framed	—	—	756, 248
Picture and mirror frames, etc.	—	—	951, 895
Pies, cakes and pastry (See also "Puddings, cakes, etc., canned")	—	—	77, 397, 196
Pies, meat	—	—	973, 817
Pillow cases (included in "Sheets and pillow cases, cotton")	—	—	—
Pillow cotton (included in "Cotton fabrics, broad woven")	—	—	—
Pillows	—	—	1, 616, 592
Pins, plain, hair and including bobby pins	—	—	1, 041, 035
Pipe, asbestos cement	—	—	1
Pipe, culvert, sheet metal	ton	46, 577	14, 525, 658
Pipe, sewer, clay	—	—	3, 027, 650
Pipe, sewer and culvert, cement	—	—	18, 749, 286
Pipe, lead	ton	1, 445	661, 491
Pipe, plastic	—	—	1, 830, 469
Pipe, steel, rivetted and welded	ton	18, 224	4, 503, 086
Pipe, wooden	—	—	1, 352, 145
Pipe and fittings, brass, bronze and copper	ton	434	445, 273
Pipe and fittings, cast iron, soil	"	69, 858	13, 600, 389
Pipe and fittings, cast iron, water	"	136, 856	16, 396, 425
Pipe and fittings, cast iron, other	"	11, 221	4, 439, 340
Pipe and fittings, malleable iron	"	7, 417	5, 353, 279
Pipe and fittings, steel, n.e.s.	—	—	53, 256, 687
Pipe and fittings, n.e.s.	—	—	1, 112, 260
Pipe and tubing, copper	—	—	1
Pipes and elbows, furnace	—	—	1, 042, 695
Pipes and elbows, stove	—	—	1, 235, 866
Pipes, tobacco	doz.	6, 357	59, 042
Pipes, tobacco (parts and accessories)	—	—	26, 948
Piston rings, automobile	M	24, 406	3, 414, 092
Pistons, automobile	—	—	1, 664, 407
Pistons, automobile, and piston ring expanders	ton	119, 649	4, 679, 193
Pitch	—	—	1
Planers, metal-working	—	—	—
Planers, wood-working	No.	87	260, 540

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Planing, custom	—	—	7,505,269
Planters, corn	No.	1,608	223,120
Plasticizers n.e.s.	—	—	1
Plastics, primary (See "Synthetic resins")	—	—	—
Plate and tank work, steel, miscellaneous	ton	193	11,567,780
Plate, black, not specified	"	76,163	9,786,880
Plates, sheets and strips, brass, copper, etc.	"	25,269	25,846,512
Plates, all kinds including boiler and other sheared plates	"	251,870	26,162,331
Plates, metal, licence, name, etc.	—	—	2,033,426
Plates and frames, addressograph	—	—	360,355
Plates, forks and spoons, paper	M.	73,888	433,058
Plating, galvanizing salts	—	—	1
Platinum, refined, and other platinum products	—	—	790,122
Play ground, track and field equipment	—	—	120,476
Play yards	—	—	142,396
Ploughs, agricultural:			
Disc	No.	1,858	687,463
Harrow ploughs, one-way discs, tiller combines	"	3,279	1,719,731
Mouldboard	"	19,550	3,205,532
Walking	"	401	16,578
Other	"	2,401	253,769
Ploughs, snow (included in "Snow removal equipment")	—	—	—
Plugs, wooden	—	—	326,264
Plumbers' supplies, not elsewhere specified (Brass, copper, etc.)	—	—	17,511,599
Plywood*	M. sq. ft.	1,161,419	82,741,947
Poison, gopher and rat	—	—	275,182
Polish, furniture	—	—	1,199,736
Polish, metal	—	—	247,756
Polish, shoe	—	—	1,120,397
Polish, stove	—	—	55,101
Polishes and waxes, floor	—	—	12,494,860
Polishes and dressings, automobile	—	—	656,030
Polishes and dressings, n.s.	—	—	462,868
Polishers, floor, electric and other	—	—	6,130,283
Polishing mitts and cloths	—	—	28,408
Popcorn including popcorn confectionery	—	—	—
Post cards, printed	lb.	3,663,282	1,895,508
Posts, steel, fence	ton	5,612	882,876
Post hole diggers	—	—	704,250
Potassium chlorate	—	—	1
Potato chips, (factory made)	lb.	18,929,943	10,025,148
Potato pickers and diggers	—	—	53,447
Pot holders and oven mitts	doz.	66,124	124,415
Pot scourers	—	—	1,809,026
Pottery, glazed and unglazed	—	—	603,865
Pottery from imported clay	—	—	29,622
Poultry (see "Meats")	—	—	—
Powder, baking	lb.	9,520,933	2,594,786
Powder, buttermilk	"	4,429,216	320,528
Powder, custard	"	493,231	180,610
Powder, egg	"	1,122,115	1,606,269
Powder, food drinks	"	1,981,929	1,078,180
Powder, ice cream	"	786,649	307,232
Powder, jelly	"	15,340,017	5,675,809
Powder, whole milk	"	26,364,433	7,170,948
Powder, malted milk	—	—	113,699
Powder, skim milk	lb.	82,781,123	8,470,814
Powder, pudding (includes powders, pie filling)	"	21,209,499	7,538,287
Powders, soft drink	"	1,693,022	1,126,401
Powder, whey	"	8,281,349	492,464
Powder, edible, n.e.s.	"	815,933	302,248
Powder, bronze, iron and aluminum	"	5,825,052	1,522,523
Powder, sachet	—	—	180,674
Powder, talcum and face	—	—	2,288,917
Precious metal salts	—	—	1
Presses, tennis and badminton racket	—	—	1
Presses, baling	—	—	1
Presses, hydraulic, and other power	—	—	1,649,230
Pressure cookers (included under "Kitchenware, aluminum")	—	—	—
Printing, not elsewhere specified:			
Circular letters	—	—	2,958,720
General, for trade	—	—	1,010,847
Custom printing (Paper supplied by customer)	—	—	3,300,120
Private and personal	—	—	2,829,812
Blue prints and photostats	—	—	1,257,941
Box covers, coloured	—	—	229,339
Periodicals printed for publishers	—	—	23,532,252
Other printed matter; menus, statements, bank notes, programmes, etc. (See also "Advertising matter")	—	—	16,623,815
Printing and painting on textile fabrics	—	—	2,079,449
Projectors	—	—	1
Propane (Included in "Gases, liquifying petroleum")	—	—	—
Propellers and shafts	—	—	3,948,940
Publications, subscriptions and sales (See "Printing" and "Periodicals")	—	—	—
Puddings, cakes, etc., canned and other	lb.	579,962	249,092
Puffs, powder	—	—	179,321
Pulleys, wood and other	—	—	319,495
Pulp, fruit (See "Fruit pulp")	—	—	—
Pulpstones, artificial	—	—	1
Pulpwood (produced in Sawmills)*	cords	237,793	7,732,359

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Pulp chips	—	—	17,656,559
Pulp, wood:			
Ground wood:			
Quantity made	S. ton	5,466,925	—
Quantity sold	"	310,221	21,801,217
Sulphate:			
Quantity made	"	1,470,927	—
Quantity sold	"	992,697	124,983,460
Sulphite, bleached:			
Quantity made	"	1,026,101	—
Quantity sold	"	944,426	137,154,373
Sulphite, unbleached:			
Quantity made	"	1,790,737	—
Quantity sold	"	500,341	53,387,578
Screenings:			
Quantity made	"	101,695	—
Quantity sold	"	36,395	1,004,476
Defibrated or exploded wood:			
Quantity made for use in producing mills	"	139,136	3,937,264
Other:			
Quantity made	"	155,026	—
Quantity sold	"	54,448	6,918,170
Pumps:			
Centrifugal	No.	62	6,647,048
Cistern and pitcher	"	14,837	108,069
Deep well	"	496	127,316
Rotary	"	9,154	950,797
Sump	"	33,622	1,242,387
Vacuum	"	551	365,124
Steam	"	2,560	1,509,011
Other power pumps	—	—	1,482,252
Gasoline dispensing pumps	No.	10,031	4,504,468
Hand pumps	"	33,063	276,249
Household water systems	"	52,259	4,807,822
Pump jacks	"	2,721	93,831
Pumps and pump parts n.e.s.	—	—	3,390,640
Punching machines	—	—	1
Purses, pocket-books and folders	—	—	1,647,375
Putty and fillers, n.e.s.	lb.	12,218,139	858,586
Pyjamas:			
Cotton and flannelette	doz.	405,749	8,159,044
Nylon	"	11,932	528,366
Rayon and rayon mixtures	"	23,787	692,733
Not specified	"	64,906	1,487,048
Pyridine	—	—	1
Pyrometers, thermocouples and accessories	—	—	1,352,913
Pyrotechnics	—	—	1,343,889
Quilted goods	yd.	3,852,281	1,806,267
Quilts, bedspreads, etc.	doz.	19,672	675,106
Racquets, tennis, badminton	No.	28,193	129,680
Radar equipment (See "Radio communication equipment")	—	—	25,722,471
Radiators, automobile	—	—	7,239,080
Radiator and boiler compounds	—	—	236,951
Radiators, heating, concealed type	—	—	1,089,329
Radiators, heating, standing type	—	—	1,644,344
Radiators and parts, heating, n.s.	—	—	7,451,843
Radio communication equipment	—	—	23,548,668
Radio sets, tubes and accessories	—	—	68,297,526
Rafers, roof trusses and beams, laminated	—	—	3,980,295
Rail, anchors	—	—	1
Rails, iron or steel:			
Quantity made	ton	228,991	—
Quantity shipped	"	241,254	22,352,384
Rail frogs, switches and other track equipment	—	—	13,043,930
Railway car coach fittings, bearings, etc.	—	—	1,091,424
Rakes, hand	—	—	1
Rayon fabrics (See "Silk and synthetic fabrics" and "Knitted fabrics")	—	—	1
Razor blades	—	—	1
Razors, safety, electric and other	No.	400,972	3,987,193
Recorders, time	—	—	1
Recorders, wire or tape	—	—	1
Records, phonograph	No.	10,482,619	4,856,364
Record players, electrically operated	"	124,204	4,331,105
Rectifiers for storage battery charging and parts	—	—	566,486
Reels for wire rope and hose	—	—	1
Refractories:			
Cement, high temperature	—	—	689,543
Firebrick from domestic clay	—	—	402,263
Firebrick from imported clay	—	—	1,605,685
Other	—	—	7,713,502
Refrigerators and refrigeration equipment, n.e.s.:			
Household, mechanical, complete (electric and gas)	No.	271,582	49,558,437
Household, ice refrigerators:			
Metal	"	53	5,300
Wood	"	1,053	68,810
Commercial, wood	—	—	321,148
Steel cabinets for mechanical refrigerators	No.	1,844	128,604
Fixtures:			
Display cases, normal temperature	"	2,562	1,997,695
Display cases, other	—	—	1,141,436

Alphabetical List of Commodities, 1953 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Refrigerators and refrigeration equipment n.e.s. - Concluded:			
Fixtures - concluded:			
Low temperature refrigerators	No.	689	800,495
Reach-ins, all sizes	"	965	460,021
Walk-in coolers	"	—	604,631
Refrigerator parts	"	—	847,954
Refrigeration equipment n.e.s.	"	—	8,350,221
Regalia, n.e.s.	"	—	2,122,715
Registers, cash	"	—	1
Registers and grills, air	"	—	1,874,366
Regulators, temperature, flow and pressure	"	—	1,202,727
Remedies, stock and poultry	"	—	2,855,653
Remet	"	—	1
Repair gums and fabrics	lb.	891,969	747,748
Repair kits	No.	919,566	422,789
Repair patches, tire and tube	"	—	1,328,347
Resin film and resin film products	"	—	7,890,253
Resins synthetic, n.e.s.	"	—	1,176,281
Resins, vinyl acetate	"	—	1
Ribbons	"	—	3,272,705
Rice, cleaned, etc.	"	—	1
Rifles and shot guns (See "Firearms")	"	—	—
Rings, fruit jar, rubber	lb.	1,011,563	552,072
Rings, fruit jar, zinc	"	—	1
Rockwool (See "Wool, mineral")	"	—	—
Rods, copper wire	"	—	1
Rods, iron and steel wire:			
Quantity made	ton	357,775	—
Quantity shipped	"	362,258	33,296,084
Roll covering, rubber	lb.	645,231	1,171,353
Rollers, land and land packers	"	—	116,860
Rollers, printers'	"	—	669,260
Rolls, rubber covered	No.	32,797	495,866
Rolls, bending and straightening	"	—	1
Roof deck (metal)	"	—	2,505,673
Roofing, aluminum	"	—	1
Roofing preparations, n.e.s.	"	—	1,313,151
Rope:			
Manilla	lb.	7,165,208	2,556,737
Sisal	"	4,240,304	1,153,833
Jute and hemp	"	229,682	116,803
All other	"	505,416	557,644
Rubber, reclaimed, dispersions and other	"	—	1
Rubber and rubber goods, hard	lb.	272,666	260,979
Rubber coverings, linings, etc.	"	—	1,662,433
Rubber goods, moulded	"	—	2,844,444
Rubber goods, plumbers'	"	—	1,511,658
Rubber goods, sanitary, n.e.s.	doz.	454,940	110,511
Rubber goods, soft and sponge (including foamed latex)	"	—	11,401,945
Rubber automotive and aeroplane parts	lb.	8,094,003	4,264,075
Rubber and rubber goods, n.e.s.	"	—	2,373,486
Rubber thread	"	—	1,307,265
Rubber, synthetic	lb.	229,735,117	54,278,488
Rugs, automobile	No.	55,924	246,686
Rules, plastic	"	—	1
Rules, wooden	"	—	310,927
Ruling (printing plants)	"	—	782,095
Runners and centres, table, etc.	"	—	231,272
Rust preventatives and removers	"	—	684,585
Saddles	No.	1,524	76,659
Saddle parts	"	—	10,588
Safes, vaults and fittings	"	—	2,529,030
Sails	No.	319	85,677
Salt	"	—	11,869,077
Salt, curing	"	—	1
Sanders (woodworking)	No.	3,003	99,501
Sandstone (building)	"	—	189,977
Sandwich relish and spread (See also "Paste, meat and chicken")	lb.	4,779,615	1,453,288
Sanitary ware	"	—	24,609,531
Sash, doors and other mill work	"	—	75,510,392
Sash, aluminum, brass, etc. (included in "Windows, complete, aluminum and other")	"	—	—
Sash balances, metal	"	—	1
Sash, window, all kinds n.e.s.	"	—	162,980
Sauces, catsups and relishes (See "Tomato catsup", "Pickles, relishes, etc.")	"	—	—
Sausage casings	"	—	7,168,375
Sausage (See "Meats cooked, and sausage")	"	—	—
Sawdust and waste, sold	"	—	944,305
Sawing, lumber, custom	"	—	244,722
Saws, all kinds	"	—	14,762,565
Saw parts and saw benches	"	—	1,453,027
Scales	"	—	2,655,711
Scarves	doz.	325,719	2,465,763
School supplies, not specified	"	—	158,333
Scientific equipment, not specified	"	—	3,161,511
Scissors and shears	"	—	1
Scrap, aluminum	"	—	1
Scrap, brass, bronze and copper	"	—	4,043,169
Screenings, barley, etc.	bus.	2,484,350	2,274,704
Screens, window	"	—	1
Screens, industrial	"	—	919,359
Screens, projection	"	—	1

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Screens, n.e.s.	—	—	1
Screws and screw machine products	—	—	18,789,017
Scufflers	No.	529	17,312
Scythes and snaths	—	—	1
Seals	—	—	379,851
Searchlights, floodlights, etc. (See "Fixtures, lighting")	—	—	—
Seasonings, dry and liquid	—	—	2,039,999
Seed boxes for one-way discs, etc.	No.	2,028	342,100
Shades, window, shade cloth and fittings:			
Ordinary shades and blinds	—	—	2,782,033
Venetian blinds, all kinds, including strips	—	—	4,940,991
Shade cloth, rollers, etc.	—	—	985,771
Shakes, processed and stained (building purposes)	square	593,414	4,341,611
Shapers, metal-working	—	—	1
Shapers, wood-working	No.	161	38,129
Sharpeners, pencil	—	—	1
Sharpening stones and files	—	—	1
Shawls	—	—	1
Shearing machines, metal working	—	—	1
Sheet forms, commercial, etc., printed	—	—	50,165,423
Sheeting, cotton (included in "Cotton fabrics broad woven")	—	—	—
Sheets and pillow cases, cotton	—	—	6,558,185
Sheets and sheeting, plastic, rubber and waterproofed	—	—	304,210
Sheet metal building materials, n.e.s.	—	—	12,894,000
Sheets, aluminum	—	—	1
Sheets, hoops, strips, skelp (iron and steel, rolled and drawn) and tin plate, galvanized sheets, etc.	—	—	171,678,846
Shellac	—	—	1,280,496
Shields, dress	—	—	148,627
Shims, railroad and other	—	—	197,276
Shingle bands	M.	13,033	104,915
Shingles, asbestos	—	—	1
Shingles, wooden*	square	2,896,080	29,795,687
Shipbuilding and repairs	—	—	153,721,553
Shirts, fine, men's, youths' and boys':			
Cotton	doz.	709,992	20,072,938
Silk, rayon and nylon	"	66,922	2,474,974
Shirts for formal wear	"	2,132	102,981
Shirts, work, men's, youths' and boys':			
Cotton	"	318,836	7,049,346
Wool and wool mixtures	"	21,801	974,932
Shirts, sport, men's, youths' and boys'	"	538,805	14,476,391
Shirts, T-Shirts	"	634,537	6,372,280
Shirts, sweat, jerseys, etc.	"	75,880	892,193
Shirts, not specified	"	99,920	1,715,708
Shock absorbers, automobile	No.	1,682,482	2,693,216
Shoddy, mungo and wool extract (See "Wool or part wool, reworked or reprocessed")	—	—	—
Shoe materials, pyroxylin coated (included in "Fabrics, coated and impregnated")	—	—	—
Shoe trimmings	—	—	149,841
Shoe uppers and tops	pr.	98,344	230,887
Shoos, box	M. ft. b. m.	76,280	7,643,175
Shortening:			
Containing animal fat and marine oil	lb.	95,420,868	20,766,638
Wholly vegetable	"	58,482,012	14,264,800
Shorts and middlings	ton	392,447	19,270,423
Shovels, hand	—	—	209,691
Shovels, power	—	—	3,796,042
Shuttlecocks, badminton	—	—	1
Signal systems (traffic, fire alarms, etc.)	—	—	2,228,113
Signs, electric:			
Neon and other luminous tube:			
Shipments (sold outright)	—	—	3,965,526
Shipments (leased or rented)	—	—	3,493,727
Other electric:			
Shipments (sold outright)	—	—	1,100,032
Shipments (leased or rented)	—	—	47,209
Signs, non-electric:			
Metal (sold outright)	—	—	3,560,150
Screen processed, other than metal (sold outright)	—	—	910,951
Other non-electric:			
Shipments (sold outright)	—	—	2,158,171
Shipments (leased or rented)	—	—	96,988
Silicon carbide, crude	ton	74,947	9,681,788
Silicon manganese, silico spiegel, etc. (included in "Ferro-alloys")	—	—	—
Silk and synthetic fabrics, broadwoven:			
All silk and mixtures containing silk	yd.	462,207	391,180
All continuous filament synthetic yarn:			
Rayon (See also "Knitted fabrics")	"	40,094,374	21,844,903
Nylon (See also "Knitted fabrics")	"	4,207,674	2,970,670
Other	"	7,283,838	5,859,866
All spun rayon	"	24,054,740	15,838,175
Mixtures of continuous filament rayon and spun rayon	"	6,130,297	4,726,043
Mixtures of continuous filament rayon and cotton	"	7,777,262	5,111,586
Mixtures of spun rayon and cotton	"	966,240	971,155
Mixtures of rayon and wool	"	462,634	508,787
Other synthetic mixtures	"	6,124,851	5,875,228
Silos	—	—	168,948
Silver alloys	—	—	982,410
Silver, fine	—	—	1,060,187
Silver, sterling, melted, rolled, etc.	—	—	1,703,765

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Size	lb.	19,526,562	1,557,246
Skates, ice	pr.	1,029,407	1,866,018
Skates, roller	"	54,787	145,366
Skate equipment	"	—	2,990
Skewers	"	—	56,068
Skis	pr.	59,559	384,626
Ski poles and fittings	"	—	91,849
Skins, calf	No.	749,189	2,855,553
Skins, sheep	"	—	1,763,527
Skins, pickled	No.	718,452	542,886
Skins, dressed (excluding raw)	"	—	1,129,989
Skips and cages (mining and metallurgical)	"	—	383,770
Skirts:			
Cotton	No.	1,547,894	4,119,297
Rayon and mixtures	"	1,550,430	4,843,134
Woollen	"	1,832,252	9,935,869
Other	"	101,808	406,990
Slabs and edgings *	cord	678,738	2,537,759
Sleighs, baby	No.	11,916	39,224
Sleighs, children's	"	173,903	331,105
Sleighs, horse-drawn, etc. (See also "Vehicles, farm sleighs, etc.")	"	—	142,267
Slicers, meat and bread	"	—	1
Slippers: (See also "Footwear, felt"):			
Babies'	pr.	151,997	159,531
Boys'	"	119,279	183,663
Children's, including little gents	"	263,274	328,543
Men's	"	838,935	1,890,931
Misses'	"	247,217	331,862
Women's and growing girls'	"	1,121,235	2,322,517
Youths'	"	59,317	86,716
Slippers, Indian:			
Babies'	"	40,453	41,757
Boys'	"	36,781	57,521
Children's, including little gents	"	209,297	186,781
Men's	"	232,282	404,542
Misses'	"	501,928	526,010
Women's and growing girls'	"	1,804,850	2,212,967
Youths'	"	10,856	10,813
Slippers, not specified	"	—	528,524
Smelter and refinery products	"	—	1,211,716,481
Smocks, women's	doz.	17,675	571,403
Smoke breaching	"	—	450,228
Smoker sets and smokers' supplies, n.e.s.	"	—	510,411
Smokestacks, steel	"	—	229,822
Snaths, scythe	"	—	1
Snow shoes	"	—	28,000
Snowmobiles and parts	"	—	1,134,366
Snow removal equipment	"	—	1,763,928
Soap:			
Castile	lb.	894,227	221,886
Household and laundry (Bars)	"	18,575,138	3,076,100
Household and laundry (Chips and flakes)	"	20,775,882	3,340,796
Liquid, not specified	"	—	1,689,238
Polishing or scouring	lb.	375,707	36,891
Powder	"	53,722,933	10,530,330
Soft	"	3,681,887	410,665
Textile and mill	"	1,787,960	209,565
Toilet (bars and liquid)	"	41,008,472	12,166,948
Shaving, including shaving creams	"	1,607,462	2,203,058
Hand soap and pastes, mechanics'	"	2,935,419	407,298
Hard, all other	"	538,975	63,771
Soap, not specified	"	—	580,444
Soap stock	lb.	8,701,251	165,401
Sodium azide	"	—	1
Sodium benzoate	"	—	1
Sodium carbonate	"	—	1
Sodium carboxymethyl cellulose (See "Carboxel")	"	—	1
Sodium chlorate	"	—	1
Sodium cyanide	"	—	1
Sodium hydroxide	lb.	311,923,228	9,274,380
Sodium hypochlorite	"	—	1
Sodium metabisulphite	"	—	1
Sodium metasilicate	"	—	1
Sodium phosphate, monosodium, disodium, trisodium and tetrasodium	"	—	1
Sodium pyrophosphate	"	—	1
Sodium silicate	"	—	1
Sodium sulphate and sulphite	"	—	1
Sodium sulphamethazin	"	—	1
Sodium thiosulphite	"	—	1
Sodium tripolyphosphate	"	—	1
Solder	lb.	13,521,605	5,814,619
Soling, rubber:			
Rubber and composition soles	pr.	5,465,362	2,052,882
Soling and slabs for heels, rubber	lb.	11,304,537	3,380,193
Soles, tap and other, leather	pr.	3,759,327	1,883,706
Soles, felt and other (insoles)	"	—	955,330
Soup, canned (excluding infants' soups)	lb.	224,000,394	36,082,930
Soup mix	"	8,346,324	6,775,800
Soup filler or cracker meal	"	3,250,881	292,904
Spades and shovels	No.	932,916	1,540,128

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Spark plugs	No.	29,164,491	8,673,286
Spectacles, complete (See "Glasses, sight")	—	—	—
Speed reducer units	—	—	2,352,312
Spice compound	lb.	263,798	113,827
Spices, mixed, whole or ground	—	—	3,572,118
Spikes, railway	ton	14,380	2,159,334
Spikes, other	—	208	46,054
Spinning, custom	—	—	5,092,855
Spinings, metal, etc.	—	—	70,866
Spirits, produced during the year but placed in bond for maturing:			
Neutral spirits, grain	pf. gal.	20,362,805	14,152,206
Neutral spirits, molasses	"	564,587	235,945
Spirits, beverage, sold outside the Distilling Industry ²			
Whiskey, Highland type	"	125,599	1,041,272
Whiskey, rye type	"	9,784,607	78,706,657
Whiskey, other types	"	19,558	156,302
Gin	"	1,149,852	6,497,341
Brandy	"	36,049	343,305
Rum	"	432,650	3,066,510
Other beverage spirits	"	299,334	1,400,122
Sponges, cellulose	—	—	—
Spools, bobbins and shuttles	—	—	1,032,513
Sport gloves and mitts	—	—	1,113,915
Sporting goods, not specified	—	—	703,363
Spraying and dusting machines and equipment, including hand sprayers	No.	3,605	1,259,859
Springs, automobile, chassis	—	—	8,538,235
Springs, bed:			
Box	No.	192,730	4,387,247
Coil	"	14,010	127,444
Cable	"	215,919	1,168,286
Link	"	84,548	712,104
Slat	"	220,556	2,090,989
Bed, n.e.s.	"	80,000	334,132
Springs (upholstering and constructions for automobiles and trucks)	—	—	8,431,495
Springs, upholstering, other	—	—	3,107,221
Springs, for cars and locomotives	—	—	984,128
Springs, n.e.s.	—	—	4,027,979
Squares, hardwood	M. ft. b. m.	10,108	1,163,658
Stabilizers, ice cream, etc.	lb.	107,952	61,010
Stains	gal.	346,891	930,629
Stampings, metal, n.e.s.	—	—	10,206,060
Stamps, rubber	—	—	1,325,182
Stamps, postage, revenue, etc.	—	—	1,201,534
Stamps, not specified	—	—	180,877
Staples, wire	kegs	33,101	326,681
Starch, corn, edible	—	—	1
Starch, corn, laundry	—	—	1
Starch and flour, potato	—	—	1
Starch, wheat	—	—	1
Starch, blended	—	—	1
Starch, n.e.s.	—	—	1
Stationery goods, not specified	—	—	1,006,178
Statues, art goods and church supplies	—	—	1,165,711
Staves, barrel*	M.	20,813	731,005
Steam traps, etc.	—	—	1,780,347
Sealine	lb.	3,281,841	359,765
Steel erected (structural work):			
Bridges	ton	31,276	13,318,448
Buildings	—	—	84,587,642
Transmission towers	ton	14,693	4,079,753
Other	—	—	8,042,823
Steel shapes, structural (angles, channels, tees, etc.):			
Quantity made	ton	233,164	—
Quantity shipped	"	241,131	28,793,035
Steel and alloy steel ingots:			
Quantity made	"	4,446,341	—
Quantity shipped	"	117,727	7,866,025
Steel, miscellaneous	—	—	34,204,676
Steel wool	—	—	1
Stellite	—	—	1
Steepwater	—	—	1
Stencils	—	—	346,171
Stockinette (See "Knitted Fabrics")	—	—	—
Stocking dryers	—	—	1
Stokers, mechanical	No.	1,236	926,816
Stoker parts	—	—	916,049
Stone, artificial	—	—	4,203,562
Store fixtures n.e.s.	—	—	485,450
Stoves, heating and cooking:			
Coal, wood and sawdust	No.	77,342	3,578,219
Solid fuel or oil with electric or gas combination	"	19,178	3,906,384
Electric stoves or ranges all styles	"	199,402	30,933,531
Electric rangelets	"	41,679	1,435,307
Gasoline, fuel oil, or kerosene stoves or ranges, (cooking)	"	84,199	2,186,375
Gasoline, fuel oil, or kerosene stoves or space-heaters (heating)	"	61,869	2,922,694
Gas stoves and ranges (cooking)	"	31,535	3,389,672
Gas stoves (heating)	"	8,850	268,898
Gas cooking plates, no oven	"	2,683	28,742
Other stoves and parts including cafeteria, restaurant, etc.	—	—	1,817,546
Stove pipes (See "Pipes and elbows, stove")	—	—	—

1. Indicates the commodity was reported by one or two concerns.

2. Excludes sales and excise taxes, etc.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Straps, leather	doz.	98,206	220,195
Straws, drinking	M.	767,628	380,098
Streptomycin (Included in "Antibiotics")	—	—	—
Streptomycin preparations	—	—	150,727
Styrene	—	—	1
Sugar butter	lb.	4,274,985	858,635
Sugar, granulated:			
Beet	"	228,657,889	19,378,320
Cane	"	1,065,274,172	79,265,986
Sugar, brown or yellow	"	130,943,918	9,392,420
Sugar, icing (starch added)	"	73,758,239	6,291,029
Sugar, invert	"	8,446,228	614,130
Sugar, loaf	"	12,201,490	1,255,981
Sugar of milk	—	—	1
Sugar, pulverized (no starch added)	lb.	6,564,950	541,726
Suits: (See also "Clothing, suits, sport"):			
Boys':			
Rayon	No.	94,627	942,245
Rayon and wool, chiefly rayon	"	55,810	545,892
Rayon and wool, chiefly wool	"	31,496	443,104
Wool	"	13,796	198,128
Other	—	—	3,523
Children's:			
Cotton	No.	3,246	13,332
Silk and rayon	"	24,665	171,689
Wool	"	38,475	310,526
Playsuits and wash suits, n.s.	doz.	158,088	2,019,095
Men's and youths':			
Rayon	No.	154,056	2,847,159
Rayon and wool, chiefly rayon	"	199,890	3,678,793
Rayon and wool, chiefly wool	"	99,195	2,646,133
Wool	"	1,256,787	48,443,432
Not specified	"	9,822	68,173
Women's and misses':			
Cotton	"	11,777	157,529
Linen	"	14,165	166,201
Silk and rayon	"	229,659	3,148,969
Wool and mixtures	"	446,052	11,112,058
Not specified	"	11,380	541,615
Suits and dresses, women's and children's, knitted (See "Dresses, wool knitted")			
Suits, slack:			
Boys':			
Cotton and other	"	2,409	11,284
Men's and youths':			
Cotton	"	173	2,100
Other	"	34,926	863,620
Suits, uniform:			
Men's and youths':			
Military	"	39,168	807,307
Non-military	"	51,414	1,626,897
Sulphonamide (sulpha) preparations	—	—	1,676,990
Sulphur	—	—	1
Sulphur dioxide, liquid	—	—	1
Superheaters	—	—	1
Superphosphate milled, screened and bagged	ton	13,584	498,972
Superphosphate, other (Included in "Fertilizers, other than mixed")			
Surfactors, wood-working	No.	115	13,700
Surgical and orthopaedic appliances and surgical dressings:			
Surgical bandages and dressings	—	—	4,308,849
Surgical belts	No.	119,338	915,661
Surgical stockings, elastic	—	—	431,727
Orthopaedic corsets	pr.	14,897	87,893
Artificial limbs	No.	1,079	264,309
Foot easers, arch supports, knee caps, etc.	—	—	244,516
Trusses	No.	46,987	183,873
Other surgical supports	—	—	706,000
Surgical instruments and orthopaedic appliances, not specified	—	—	512,135
Suspenders, supporters and garters	doz.	446,054	1,422,742
Swathers	No.	4,582	2,943,429
Sweaters, jackets, etc.	doz.	1,063,642	31,176,162
Sweeping compounds	—	—	797,657
Switch gear and protective equipment (except telephone switch-boards)	—	—	39,987,472
Synthetic and plastic products, n.e.s.	—	—	67,099,112
Syringes, fountain and attachments	doz.	16,842	120,845
Syrup, beverage	gal.	590,484	1,427,061
Syrup, corn	—	—	1
Syrup, fountain, fruit, etc.	—	—	3,515,098
Syrup, table	—	—	860,998
Syrups from cane, not including molasses	ton	7,325	707,999
Syrups for soft drinks (for sale)	gal.	2,865,540	5,831,872
Syrup making equipment (maple)	—	—	912,077
Syrups, other	—	—	231,260
Table cloths and napkins (fabric)	—	—	511,253
Table cloths, plastic	doz.	48,628	456,151
Tableware, plastic	—	—	1,257,779
Tableware, pottery	—	—	3,067,082
Tacks, cut, wire	—	—	639,186
Tags and labels, shipping	—	—	20,717,134
Tags and tickets, price	—	—	3,016,284
Tailors' supplies, n.e.s.	—	—	2,813,636

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Tallow	—	—	11,410,422
Tankage, animal	ton	49,879	3,956,136
Tanks, steel, storage, black, galvanized, etc.	—	—	16,426,107
Tanks, pressure, n.e.s.	—	—	4,968,882
Tanks, steel, pneumatic	—	—	621,746
Tanks, steel, septic	—	—	678,738
Tanks, other, not specified	—	—	5,540,542
Tape, adhesive	—	—	2,602,834
Tape, rubber and friction	lb.	2,668,856	1,937,302
Tape, paper, gummed	—	—	5,139,171
Tape, pressure, sensitive	—	—	1
Tape, telegraph	—	—	635,478
Tapes, fabric	—	—	2,189,649
Tapes and rulers, measuring, steel, etc.	—	—	1
Tapestries and other upholstering fabrics	—	—	7,669,325
Tapioca	—	—	1
Tar, coal, crude	imp. gal.	43,133,514	5,523,953
Tar, refined	—	3,559,726	733,231
Targets, aerial, etc.	—	—	1
Tea, blended, etc.	lb.	39,893,469	47,195,745
Telecommunication equipment, n.e.s.	—	—	5,681,296
Telephone material	—	—	55,447,214
Television receiving sets and equipment	—	—	130,662,071
Television picture tubes	—	—	1
Tenoners, wood-working	No.	63	90,176
Tents	—	48,164	2,069,656
Textile and leather specialties, n.e.s.	—	—	3,748,257
Thermometers, all kinds	No.	471,893	660,239
Thickeners, mining and metallurgical	—	—	1
Thinners, pyroxylin	gal.	2,500,377	3,366,551
Thiourea	—	—	1
Thread, cotton	lb.	3,693,095	9,858,838
Thread, rayon, silk, etc.	—	—	1,101,636
Threading machines	—	—	1
Threshers, and combine reaper-threshers and attachments	—	—	37,059,011
Ties, wooden*	No.	4,601,561	9,055,130
Tile, asphalt	sq. ft.	15,535,187	2,013,802
Tile, gypsum	—	—	1
Tile, haydite and other haydite products	—	—	1
Tile, plastic:			
Wall	sq. ft.	3,557,027	1,220,467
Not specified	—	—	696,448
Tile, vinyl asbestos, floor	sq. ft.	13,822,373	2,734,382
Tile from domestic clay:			
Drain	M.	49,540	2,980,690
Floor	sq. ft.	229,098	92,854
Tile from imported clay:			
Floor	—	—	372,683
Wall	—	—	2,108,905
Tile, rubber	lb.	7,795,193	2,416,927
Tile, hollow blocks including fire-proofing and load-bearing tile	ton	199,982	3,647,690
Tile, not specified	—	—	794,169
Tile board, enamelled	—	—	1
Timers, interval	—	—	1
Tin alloys	—	—	1
Tin	lb.	92,114	94,058
Tin plate (included with "Sheets, strips, etc.")	ton	29,939	673,048
Tinned plate scrap	—	—	1
Tinsel	—	—	1,101,578
Tireware, japanned or not	—	—	1
Tire braids, auto	—	—	1
Tire fabrics	lb.	32,403,849	26,374,151
Tires and tubes:			
Balloon, casings	No.	6,944,182	155,463,273
Balloon and high pressure inner tubes	—	2,528,039	7,691,731
Aeroplane tires	—	10,334	622,883
Aeroplane tubes	—	5,236	40,650
Bicycle tires	—	408,442	500,463
Bicycle tubes	—	423,927	245,481
Implement and tractor tires	—	221,774	7,181,699
Industrial tires	—	223,370	612,640
Industrial tubes	—	—	1
Motorcycle tires	No.	4,003	51,596
Other rubber tires, n.e.s.	—	—	214,302
Tires, railway car	—	—	1
Tissues, cleansing, paper	—	—	1
Toasters, electric	No.	342,148	3,077,457
Tobacco: ²			
Chewing, cut and twist	lb.	129,960	307,128
Chewing, plug	—	1,177,016	2,734,770
Smoking, leaf	—	64,900	46,032
Smoking, cut	—	23,821,862	59,334,985
Smoking, plug	—	263,174	618,456
Snuff	—	838,292	2,194,354
Stems	—	—	11,575
Tobacco, raw leaf, processed	lb.	151,363,083	88,551,067
Tobacco curing equipment	—	—	82,529
Tobacco pouches	—	—	28,940
Toboggans	No.	89,512	308,244

1. Indicates the commodity was reported by one or two concerns.

2. Includes excise duties and sales tax.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Toilet preparations, n.e.s.:			
Bath salts and bath oils	—	—	648,388
Brilliantine, sold	—	—	57,984
Compacts (powder and rouge)	—	—	332,801
Creams solid or liquid, all kinds	—	—	3,455,130
Home permanent wave kits	—	—	4,127,344
Rouge and lipsticks	—	—	2,035,939
Shampoos and hair rinses	—	—	3,884,442
Bay rum, hair tonics, brilliantine liquid, etc.	—	—	5,737,505
Toilet water and lotions	—	—	5,379,591
All other	—	—	6,963,595
Toiletware, sterling silver	—	—	218,609
Toiletware and dresser ware	—	—	220,196
Toluene and toluol*	—	—	669,012
Tomato catsup, canned	lb.	4,779,575	988,113
Tomato catsup, other	"	29,718,844	6,174,409
Tomato juice	"	128,914,618	10,978,047
Tomato paste and puree	"	4,626,167	685,458
Tomato pulp	"	141,564	7,021
Tools, carpenters' and mechanics' other than portable pneumatic and electric tools	—	—	4,104,135
Tools, machine, n.e.s.	—	—	3,263,984
Tools, small, cutting	—	—	4,425,033
Tools, n.e.s.	—	—	5,451,968
Toothpicks	—	—	1
Topplings for ice cream and cake	—	—	1,308,270
Towelling (included in "Cotton fabrics, broad woven")	—	—	—
Towels, all kinds	—	—	6,112,770
Towels, paper	case	843,477	3,871,572
Toys:			
Metal	—	—	2,039,067
Plastic, including wading pools	—	—	4,092,019
Rubber	doz.	94,329	297,546
Wooden	—	—	757,985
Miscellaneous, including model aeroplanes	—	—	2,276,930
Tractors	—	—	1
Trade work, n.e.s. (printing plant)	—	—	4,576,172
Trailers:			
Cabin or house type	No.	1,716	4,941,812
Commercial (except logging and van)	"	2,110	8,637,860
Logging	"	168	910,930
Van	"	1,095	6,936,598
Not specified	—	—	40,243
Transfers, paper, decalcomania	—	—	1,843,042
Transfers, paper, dry	—	—	148,860
Transformers	—	—	48,269,446
Transformer parts	—	—	1,515,507
Transmission towers, electric (See "Steel, erected")	—	—	—
Traps and fittings, lead	lb.	2,510,646	1,078,040
Traps, mouse and rat, etc.	—	—	1
Trays, food	—	—	786,123
Trichlorethylene, refined	lb.	17,627,510	1,837,705
Trimings, not specified	—	—	1,022,673
Trophies	—	—	680,022
Trucks, factory and other hand trucks	—	—	51,253
Trucks, other, including lift trucks	—	—	2,137,730
Trunks, all kinds	No.	105,117	1,095,028
Tubes, collapsible	—	—	1
Tubes, n.e.s.	—	—	375,997
Tubing, brass, bronze and aluminum	lb.	14,258,554	8,148,171
Tubing, plastic	—	—	732,502
Tubing, rubber	lb.	351,343	249,543
Tubing, steel	—	—	1
Tubing and wristing, knitted	lb.	785,874	904,167
Tubs, laundry, cement	No.	54,216	668,547
Turbines and water wheels	—	—	13,649,649
Turpentine	—	—	1
Twine and cordage:			
Baler twine, all sisal	lb.	30,692,920	3,829,147
Binder twine, all sisal	"	27,349,550	3,572,944
Other twine, all sisal	"	5,572,754	1,409,042
Other twine, all hemp and all flax	"	193,940	157,482
Other twine, all jute	"	1,511,339	514,280
Other twine and cordage, not specified	—	—	4,448,961
Type and type metal	—	—	1,896,568
Typesetting (trade composition)	—	—	6,565,012
Typewriters	No.	65,968	7,130,247
Typewriter and other machine ribbons	—	—	2,157,170
Umbrellas	—	—	1,307,277
Undertakers' supplies (See "Morticians' goods")	—	—	—
Underwear, knitted, or of knitted fabrics:			
Men's and youths':			
Combinations:			
Cotton or chiefly cotton	doz.	221,038	5,006,865
Rayon or chiefly rayon	"	2,414	43,003
Wool or chiefly wool	"	33,385	1,739,904
Shirts:			
Cotton or chiefly cotton	"	427,844	3,116,236
Rayon or chiefly rayon	"	3,321	42,059
Wool or chiefly wool	"	17,154	520,863
Drawers:			
Cotton or chiefly cotton	"	142,206	1,707,595
Wool or chiefly wool	"	11,135	366,813

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Underwear, knitted, or of knitted fabrics - Concluded:			
Men's and youth's - concluded:			
Shorts:			
Cotton	doz.	578,346	3,727,709
Other	"	7,546	87,392
Not specified	"	286	2,841
Boys':			
Combinations:			
Cotton or chiefly cotton	"	68,125	970,473
Shirts:			
Cotton or chiefly cotton	"	124,447	531,089
Drawers:			
Cotton or chiefly cotton	"	48,217	386,243
Shorts:			
Cotton or chiefly cotton	"	151,608	629,985
Not specified	"	1,092	27,099
Women's and Misses':			
Combinations:			
All kinds	"	15,249	166,151
Drawers:			
All kinds	"	13,798	132,289
Bloomers, panties, etc.:			
Cotton or chiefly cotton	"	238,020	1,290,528
Nylon	"	65,582	579,216
Rayon or chiefly rayon	"	1,246,149	5,632,223
Wool or chiefly wool	"	8,559	147,640
Vests:			
Cotton or chiefly cotton	"	124,618	791,375
Rayon or chiefly rayon	"	22,451	168,852
Wool or chiefly wool	"	8,042	161,815
Other, n.e.s.	"	79,958	645,374
Girls':			
Combinations:			
Cotton or chiefly cotton	"	737	8,027
Bloomers, panties, etc.:			
Cotton or chiefly cotton	"	99,054	415,451
Rayon or chiefly rayon	"	17,895	41,468
Wool or chiefly wool	"	125	1,690
Drawers:			
Cotton or chiefly cotton	"	957	5,150
Vests:			
Cotton or chiefly cotton	"	75,206	344,672
Not specified	"	11,697	61,340
Children's and infants':			
Combinations:			
Cotton or chiefly cotton	"	4,549	36,976
Not specified	"	251	2,615
Drawers, bloomers, and panties:			
Cotton or chiefly cotton	"	550,133	1,719,209
Nylon or chiefly nylon	"	25,255	129,073
Rayon or chiefly rayon	"	349,573	1,176,475
Not specified	"	107	1,110
Vests:			
Cotton or chiefly cotton	"	248,948	1,111,837
Rayon or chiefly rayon	"	193	772
Wool or chiefly wool	"	1,423	8,492
Underwear, woven fabrics:			
Men's and youths':			
Shorts:			
Rayon	"	211	2,794
Cotton	"	90,196	825,375
Other	"	885	13,956
Not specified	"	2,558	14,957
Women's and misses':			
Bloomers, panties, etc.:			
Cotton or chiefly cotton	"	2,987	35,561
Rayon or chiefly rayon	"	6,404	29,588
Nylon or chiefly nylon	"	554	6,967
Children's:			
Bloomers, panties, etc.:			
All kinds	"	957	4,860
Underwear, not specified:			
Children's	"	8,821	26,463
Men's and boys'	"	34,629	264,736
Women's and misses'	"	7,000	35,000
Not specified	"	25,098	348,454
Underslips:			
Rayon	"	232,952	4,198,383
Rayon mixtures	"	108,879	2,231,384
Cotton	"	259,042	3,725,921
Nylon	"	262,971	6,311,651
Not specified	"	79,728	1,900,148
Uniforms, (nurses, maids, etc.)	"	—	2,845,512
Uniforms, military (See "Jackets", "Pants" and "Suits")	"	—	—
Uniforms, other (See also "Pants, uniform" and "Suits, uniform")	"	—	587,655
Upholstering materials (cotton tufts) (See also "Tapestries")	"	—	7,565,536
Valves, brass and bronze	"	—	7,703,543
Valves, iron	"	—	2,938,383
Valves, steel	"	—	—
Valves, tire	"	—	—
Valves, not specified	"	—	1,945,239

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Varnishes	—	—	8,748,116
Vaults, burial, cement and other	No.	9,031	516,191
Vegetable salad	—	—	1
Vegetables, canned:			
Asparagus	lb.	4,514,750	1,572,520
Beans, baked	"	85,214,880	10,034,265
Beans, green or wax	"	45,614,676	5,190,391
Beans, kidney	"	1,593,757	170,365
Beans, lima	"	2,172,062	304,366
Beets	"	13,480,787	1,488,688
Carrots	"	5,887,710	487,938
Carrots and peas	"	5,552,033	701,108
Corn, cream of, whole grain, etc.	"	82,326,491	9,622,556
Mushrooms	"	2,252,561	1,125,304
Peas	"	124,575,596	15,023,537
Pumpkin and squash	"	7,317,154	578,306
Spinach	"	1,820,842	210,898
Sauerkraut	"	8,332,285	735,093
Tomatoes	"	87,601,949	8,411,690
Vegetables, mixed	"	8,546,019	926,451
Vegetables, evaporated and dehydrated	"	3,179,455	488,816
Vegetables in brine	"	2,677,368	314,206
Vegetables, frozen or cold pack	"	1,435,023	43,597
Vegetables in SO ₂	—	25,879,339	4,507,576
Vegetable juices, canned	—	—	1
Vegetable peelers and slicers	—	—	1
Vehicles, children's	—	—	1,859,100
Vehicles (farm sleighs, wagons, trucks, etc.) (see also "Sleighs" and "Wagons")	—	—	208,563
Veils and veiling	—	—	49,039
Velvet	—	—	1
Veneer*	—	—	19,311,229
Veneer logs*	M. ft. b. m.	9,005	1,109,613
Veneer and plywood products n.e.s.	—	—	127,193
Ventilators	—	—	1,347,346
Vermiculate	—	—	1,369,316
Vestments	—	—	305,751
Vests, woollen (outerwear)	No.	29,705	220,465
Vests, other (outerwear)	—	—	125,604
Vinegar made for own use	imp. gal.	849,995	—
Vinegar made for sale:			
Spirit	"	8,473,870	3,081,106
Cider	"	804,538	339,346
Malt	"	218,740	119,945
Vinyl acetate	—	—	1
Vitamin preparations	—	—	14,990,694
Waffle irons	No.	54,447	520,070
Wagons (See also "Vehicles, farm sleighs, wagons and trucks")	—	—	1
Wall board, asbestos cement	—	—	1
Wall board, gypsum	sq. ft.	303,551,960	11,745,957
Wall board, paper, (See "Paper Board")	—	—	—
Wall plaster, gypsum	ton	293,732	6,204,824
Wall plaster, other	lb.	6,781,979	641,478
Wardrobes, wall board	—	—	474,482
Wash boards	—	—	1
Washers, leather	doz.	5,901,484	370,457
Washers and gaskets, iron, steel, etc.	—	—	5,262,030
Washing compounds	—	—	407,001
Waste, cotton and wool	—	—	4,495,466
Waste, wood	—	—	526,748
Waste, other, not specified	—	—	2,460,297
Watches, assembled	—	—	9,431,716
Watch bracelets, cases, etc.	—	—	1,016,463
Water, distilled	—	—	1
Water, mineral, natural	—	—	132,924
Waterproofing of fabrics	—	—	228,974
Waterproofing preparations	—	—	1
Wax and wax compounds, all kinds	—	—	4,702,973
Wax, sealing	—	—	1
Waxers and wax appliers	—	—	71,079
Weatherstrip	—	—	1,670,327
Weaving, custom	—	—	4,462,391
Webbing, elastic	—	—	2,275,463
Webbing, other	—	—	907,212
Weeders	No.	1,658	480,158
Weed killer	—	—	2,558,639
Welding apparatus, arc	—	—	3,094,805
Welding apparatus, gas and other	—	—	1
Welding compounds and fluxes	—	—	19,922
Welding apparatus with control equipment and accessories	—	—	503,608
Welding electrodes	—	—	4,979,013
Welting	—	—	1,417,103
Wet machine boards	—	—	1
Wheelbarrows and parts	—	—	789,419
Wheels, automobile	—	—	1
Wheels, railway car	ton	82,602	4,697,080
Wheels, not specified	—	—	433,716
Whey	—	—	1
Whips	No.	1,309	1,047
Whiskies (See "Spirits")	—	—	—

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Whisks	doz.	35,830	134,759
Windows, complete, aluminum and other	—	—	25,091,188
Wine cocktails	—	—	1
Wine sold during the year	gal.	4,687,848	12,012,356
Wine produced and placed in storage for maturing	—	5,684,088	3,540,359
Wine spirit	—	—	1
Wiping cloths and rags, washed and sterilized	lb.	14,084,604	3,544,611
Wiping cloths and rags, other	—	—	2,186,621
Wire, brass and copper	—	—	1
Wire, gold filled and alloys	—	—	412,019
Wire, steel:			
Barbed:			
Quantity made	ton	9,531	—
Quantity shipped	—	9,101	1,385,553
Cold rolled flat, all sizes:			
Quantity made	—	1,949	—
Quantity shipped	—	1,123	380,364
Galvanized:			
Quantity made	—	70,769	—
Quantity shipped	—	35,890	7,760,778
Plain:			
Quantity made	—	327,654	—
Quantity shipped	—	114,718	18,574,703
Strand, twisted:			
Quantity shipped	—	6,681	2,329,412
Other, coated:			
Quantity made	—	1,930	—
Quantity shipped	—	1,936	576,899
Wire and cable, electrical	—	—	150,732,153
Wire rope and cable, n.e.s.	ton	22,629	14,193,471
Wire cloth, all metals, including screen cloth	—	—	12,364,090
Wire mesh, steel woven or welded	ton	15,755	3,260,361
Wire netting	—	1,454	363,397
Wire goods, not specified	—	—	10,698,779
Wiring devices, not elsewhere specified	—	—	13,874,866
Wooden products, n.e.s.	—	—	5,003,595
Wood flour	—	—	1
Woodenware, kitchen	—	—	140,898
Woodenware, not specified	—	—	714,337
Wood preservation	—	—	1
Wood preservatives	—	—	514,370
Wood turning, n.s.	—	—	1,470,000
Woodwork, sanitary	—	—	335,880
Wool, mineral (building)	—	—	9,815,154
Wool, mineral (industrial)	—	—	3,868,391
Wool pulled	lb.	2,298,673	1,583,248
Wool tops	—	—	1
Wool nols	—	—	1
Wool or part wool, reworked or reprocessed	lb.	10,754,271	3,024,288
Woollen cloth, woven:			
Suitings, dress goods, overcoatings, etc.	sq. yd.	17,365,592	21,822,283
All wool, woollen	—	8,145,217	17,310,703
All wool, worsted	—	462,381	661,165
Woollen and worsted, mixed	—	427,486	513,883
Cotton warp, woollen	—	6,684,525	8,891,585
Other woollen and mixtures	—	—	1
Woven terry goods (fabric)	—	—	928,481
Other woven fabrics, wool or not containing wool	—	—	83,886
Woven goods (not fabric)	—	—	1,007,169
Wrappers, waxed (See "Paper, waxed")	—	—	5,787,393
Wrappers, paper, other than waxed (See also "Boxes, paper, corrugated")	—	—	1,774,961
Wrappers, printed	No.	180,225	285,360
Wringers, clothes	gal.	683,599	—
Xylol	—	—	—
Yarns, spun for sale:			
Cotton:			
Grey, knitting	lb.	15,167,956	11,432,930
Grey, other, singles	—	14,762,483	9,446,026
Grey, other, plied	—	10,826,574	7,397,465
Bleached, knitting	—	424,765	417,583
Bleached, other	—	239,189	221,590
Coloured, knitting	—	1,371,351	1,362,244
Coloured, other	—	1,661,328	1,437,790
Other, including mercerized	—	4,099,033	3,463,915
Cotton and wool mixed:			
Grey	—	382,365	382,650
Bleached and coloured	—	25,569	33,542
Rayon and nylon thrown	—	4,518,867	8,539,995
Rubber covered	—	—	1
Synthetic singles	lb.	42,334,201	47,881,179
Spun rayon and spun rayon mixtures	—	9,108,816	6,702,177
Other synthetic yarns	—	399,366	343,764
Woollen:			
Hand knitting	—	827,868	2,065,932
Machine knitting	—	2,994,956	4,524,305
Weaving	—	353,668	751,705
Carpet	—	2,022,669	2,510,774
Not specified	—	369,235	720,872

1. Indicates the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1955 — Concluded

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Yarns spun for sale — concluded:			
Worsted, oil spun:	lb.		
Hand knitting	"	1,224,874	4,836,063
Machine knitting	"	3,850,212	8,574,671
Weaving	"	1,621,951	3,322,813
Not specified	—	—	25,452
Worsted, dry spun:	lb.		
Knitting	"	1,503,257	3,523,700
Not specified	"	453,203	1,082,143
Yarns, not specified	—	—	5,317,064
Yeast, dry, bakers'	—	—	1
Yeast, dry, brewers'	lb.	2,241,327	228,225
Yeast, fresh (for sale)	—	—	1
Yeast, made for own use in breweries	lb.	3,800,315	—
Yeast, food, bread improver, etc.	"	7,193,024	819,277
Yoghourt	gal.	71,112	220,747
Zinc, refined, zinc alloys, etc.	—	—	1,118,267
Zinc chloride	—	—	1
Zinc naphthenate	—	—	1
Zinc oxide and zinc dust	—	—	1
Manufactured food products, packaged only	lb.	13,947,858	2,414,888
Amount received by clothing contractors	—	—	17,375,492
Amount received for rental of signs	—	—	6,786,858
Inter-company transfers	—	—	2,023,367
All other products, not specified:			
Foods and beverages	—	—	20,200,475
Tobacco and tobacco products	—	—	34,445
Rubber products	—	—	2,117,206
Leather products	—	—	2,878,885
Textiles	—	—	4,476,081
Knitting mills	—	—	166,811
Clothing	—	—	2,306,334
Wood products	—	—	3,401,011
Paper products	—	—	2,678,385
Printing, publishing and allied industries	—	—	1,110,769
Iron and steel products	—	—	119,729,692
Transportation equipment	—	—	144,988,917
Non-ferrous metal products	—	—	18,533,294
Electrical apparatus and supplies	—	—	23,705,006
Non-metallic mineral products	—	—	11,120,692
Products of petroleum and coal	—	—	8,528,606
Chemicals and allied products	—	—	32,080,506
Miscellaneous manufacturing industries	—	—	3,653,956
Custom work and repairs:			
Foods and beverages	—	—	7,771,251
Tobacco and tobacco products	—	—	—
Rubber products	—	—	213,721
Leather products	—	—	826,843
Textiles	—	—	6,987,449
Knitting mills	—	—	—
Clothing	—	—	2,981,106
Wood products	—	—	14,467,028
Paper products	—	—	645,118
Printing, publishing and allied industries	—	—	—
Iron and steel products	—	—	69,529,740
Transportation equipment	—	—	109,218,484
Non-ferrous metal products	—	—	3,012,128
Electrical apparatus and supplies	—	—	11,554,674
Non-metallic mineral products	—	—	873,428
Products of petroleum and coal	—	—	1,325
Chemicals and allied products	—	—	994,396
Miscellaneous manufacturing industries	—	—	9,131,592
Products which were reported by only one or two firms and for which figures cannot be shown separately (See Commodities indicated by footnote 1)	—	—	715,766,185
Total value of products listed	—	—	19,956,857,825
Adjustments due to valuation of intermediate products, excise taxes, etc.	—	—	442,924,014
Total	—	—	19,513,933,811

1. Indicates the commodity was reported by one or two concerns.



GENERAL REVIEW
OF THE
MANUFACTURING INDUSTRIES OF CANADA
1956

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada
 - Section B. Atlantic Provinces
 - Section C. Quebec
 - Section D. Ontario
 - Section E. Prairie Provinces
 - Section F. British Columbia
 - Section G. The Manufacturing Industries of Canada,
Regional Distribution
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
 - X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report is the only one in Part I. Price

Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.

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PART I. GENERAL ANALYSES OF MANUFACTURING

SECTION 1. GROWTH OF MANUFACTURING

The improvement in manufacturing production begun in the summer of 1955 continued at an accelerated rate in 1956. The selling value of factory shipments at \$21,636,748,986 was the highest on record and exceeded by 10.9 p.c. the high mark attained the previous year. In employment, however, the record was not so impressive. Although there was an increase of 4.2 p.c. in the number employed in 1956 as compared with 1955, the number was only 25,569 higher than the record number employed in 1953. Salaries and wages paid at \$4,570,692,190 and value added by manufacture at \$9,605,424,579 were the highest on record, exceeding the previous high of 1955 by substantial margins.

The physical volume of production in 1956 was 5.4 p.c. higher than in the previous year, while the increase in the value of factory shipments was 10.9 p.c. The greater increase in the value of factory shipments is accounted for by an increase in the wholesale prices of partly and fully manufactured goods. The output of durable goods rose by 7.4 p.c., while non-durables were 4.4 p.c. higher. The index for manufacturing as a whole in 1956 stood at 285.9. For non-durable goods it was 245.6 and for durable goods 348.9. These levels were in all cases the highest on record. Since the end of the war both the durable and non-durable sectors experienced an uninterrupted expansion in volume of production, the only exception being 1954 when the output of both durable and non-durable goods was lower than the previous year. Since 1946 durable goods rose by 70.1 p.c., non-durable goods by 36.3 p.c. and manufacturing as a whole by 50.6 p.c.

In the non-durable goods sector all groups, with the exception of textiles, reported increased activity in 1956 as compared with 1955. The greatest increase in volume of production was reported by the products of petroleum and coal group with a percentage increase of 14.8. The leather products group which has experienced a long-term downward trend reported the second highest increase in volume with 8.2, followed by printing, publishing and allied industries with 7.9, rubber and rubber products 7.5, tobacco and tobacco products 7.3, beverages 5.1, clothing including knitting mills 4.7, paper products 4.5, chemicals and allied products 3.1, and foods 1.1. Textiles with a decline of 1.6 p.c. was the only group in the non-durable sector to report a decrease. In spite of the substantial increase in volume for manufacturing as a whole during 1954 and 1955, both textiles and clothing were still below the levels they attained in 1953.

In the durable goods sector all groups reported higher levels of production. The highest percentage increase of 14.1 was reported by the iron and steel products group. This was followed by non-metallic mineral products with 11.5, transportation equipment 6.0, non-ferrous metal products 5.5, electrical apparatus and supplies 2.8 and wood products 0.5. The transportation equipment group which was the only group in the durable goods sector to report a minor decline of 1.2 p.c. in 1955 reported an increase of 6.0 p.c. in 1956. Aircraft, automobiles, railway rolling stock and shipbuilding, all operated at higher levels. In spite of the improvement in 1956 the transportation equipment group was still about 15 p.c. short of the high level attained in 1953. The modest increase of 0.5 p.c. shown by the wood products group was the result of two counter movements. The increased volume needed to satisfy the requirements of the domestic boom in construction was just about counterbalanced by the decline in export sales. Exports of planks and boards which were valued at \$326,445,303 in 1956 declined by 14.5 p.c. as compared with the previous year. Red cedar shingles and veneer and plywood were also lower with declines of 20.7 and 7.3 p.c. respectively.

The improvement in manufacturing operations which occurred during 1956 was the result of three main factors. First was the accelerated spending on capital goods, such as construction and machinery and equipment of all kinds which rose from \$6,350,000,000 in 1955 to \$8,024,000,000 in 1956, an increase of 26 p.c. This stimulated the durable goods industries to a marked degree, and is reflected in the increased output of pig iron which rose from 3,215,367 tons in 1955 to 3,568,203 tons in 1956, steel ingots and castings from 4,534,672 tons

to 5,301,202 tons, aluminum from 612,543 tons to 620,321 tons, nickel from 174,928 tons to 178,515 tons, cement from 4,404,480 tons to 5,021,683 tons, and motor vehicles from 452,114 units to 471,350 units. The second factor was the improvement in the export demand for many Canadian manufactured commodities. Newsprint, whiskey, aluminum and its products, copper and its products, aircraft, lead and its products, non-farm machinery and synthetic plastics were all substantially higher in 1956 as compared with the previous year. Exports of wood pulp, nickel, automobiles and parts, artificial crude abrasives, and zinc and its products were moderately higher, while exports of planks and boards, red cedar shingles, veneer and plywood, wheat flour, farm machinery and fertilizers were considerably lower. The third factor was the impact on the consumer goods industries of the increase of about 425,000 in population as well as by the rise in labour income.

Ontario which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance, and in 1956 accounted for 49.2 p.c. of the total value of factory shipments. Quebec with 30.6 p.c. of the total shipments ranks as the second largest industrial province, while British Columbia with 8.6 p.c. of the total ranks third.

The increased activity reported by the manufacturing industries during 1956 was not uniformly distributed as between provinces. From the point of view of numbers employed, British Columbia with an increase of 6.0 p.c. over 1955, once again made the greatest gain in manufacturing production. This was on top of an increase of 6.8 p.c. in 1955 and 2.2 p.c. in 1954. As a result of this uninterrupted expansion during the past few years, British Columbia is gradually increasing its share of the Canadian total. Alberta in 1956 reported the second highest expansion with an increase of 5.6 p.c. in employment, followed by Ontario with 4.5 p.c., Quebec 3.9 p.c., Nova Scotia 2.4 p.c., Newfoundland 1.4 p.c., New Brunswick 0.6 p.c., Saskatchewan 0.4 p.c., and Prince Edward Island 0.3 p.c.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a country producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 30 p.c. of the value of all goods and services produced, and also rank as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of large-scale deposits of iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant. There have been other periods when Canada's population has grown more rapidly and in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the post-war years. The real significance of the latter period is that never before has there been an advance on such a broad industrial front.

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of post-war conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic

resources. Capital expenditures that contributed most to the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence program—aircraft, electronic equipment, ships and guns—many items of which had never before been produced in Canada. Measures such as steel control, credit regulations and deferred depreciation had the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability of current levels of manufacturing is indicated by the fact that such activity is the result of business assessments of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent. Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the high-grade ores involved in order to meet continuing peace-time demands. No country is in a more favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials; a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945. And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind. Frequently using petroleum or natural gas as a source of raw material, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

The tremendous development which has taken place in Canada during the past ten years is strikingly illustrated by the increase of 50.6 p.c. in the physical volume of manufactured products between 1946 and 1956 as compared with an increase of only 31 p.c. in the population. Part of this increase, resulted from an increased demand abroad for Canadian manufactured goods, part to the demands imposed on Canadian industry as a result of the expansion in the economy during the past decade, and part to the increase in the standard of living of the Canadian people. The increase of 70.1 p.c. in the output of durable goods consisting mainly of building materials, transportation equipment as well as machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the phenomenal expansion in the productive capacity of the country. Non-durable goods during the same period increased by 36.3 p.c. Although this increase is quite large it is, nevertheless, overshadowed by the much larger increase of 70.1 p.c. in the durable goods industries of the manufacturing sector.

With only one exception, all groups in both the durable and non-durable sectors recorded marked advances in volume output since 1946, the exception being leather products with a decline of 11.9 p.c. In the durable goods sector the most striking advance was made by the non-metallic mineral products group with an increase of 137.5 p.c. This was followed by electrical apparatus and supplies with 122.5 p.c., non-ferrous metal products 78.5 p.c., transportation equipment 67.9 p.c., iron and steel products 47.3 p.c. and wood products 46.6 p.c.

In the non-durable goods sector the greatest advance was achieved by the products of petroleum and coal group with 164.3 p.c. This was the highest increase of any group of either sector. Rubber and rubber products with an increase of 101.6 p.c. came second, followed by printing, publishing and allied industries with 64.7 p.c., beverages 60.6 p.c., tobacco products 59.2 p.c., paper products 48.1 p.c., chemicals and allied products 26.5 p.c., foods 15.9 p.c., textiles 12.8 p.c., and clothing 2.0 p.c. The output of the leather products group declined by 11.9 p.c.

Manufacturing establishments reporting in 1956 numbered 37,428. Of these 783 were located in Newfoundland, 192 in Prince Edward Island, 1,402 in Nova Scotia, 1,004 in New Brunswick, 12,112 in Quebec, 13,215 in Ontario, 1,534 in Manitoba, 798 in Saskatchewan, 1,971 in Alberta, 4,393 in British Columbia and 24 in the Yukon and Northwest Territories. These plants furnished employment to 1,353,020 persons who received \$4,570,692,190 in salaries and wages. They also shipped goods with a selling value at the factory of \$21,636,748,986 and spent \$11,721,536,889 for materials, while the value added by manufacture totalled \$9,605,424,579.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products and goods in process. The figures for value added in 1954 and subsequent years are, therefore, comparable with 1951 and prior years.

A number of industries still report value of production. To calculate value added by manufacture for these industries, the value of materials used, including the cost of fuel and electricity, is subtracted from the value of production reported, no account is taken of inventory change. For this reason the figures on value added by manufacture for manufacturing as a whole or for major groups published in this report differ slightly from the calculated figures derived by using the formula for converting shipments to production values which is "Shipment plus closing minus opening inventories of finished goods and goods in process equals value of production". To illustrate this point 1955 figures for Canada will be used. These figures are as follows:

	\$'000,000
Value of factory shipments	19,513.8
Inventory of finished goods and goods in process:	
Closing	1,738.8
Opening	1,619.7
Cost of materials used	10,338.8
Cost of fuel and electricity	457.8
Calculated value of production	
(19,513.8 plus 1,738.8 minus 1,619.7 = 19,632.8)	
Value added by manufacture	
(19,632.8 minus 10,338.8 minus 457.8 = 8,836.8)	

This is slightly different to the 8,753.5 figure given in Table 1. The difference is due to the fact that the figures for inventory change used in the formula are for manufacturing as a whole and include the figures for those industries still on production basis and for which inventory changes have not been taken into account in calculating their value added by manufacture.

Variation in Volume of Production

Group	Volume index (1935-39=100)			Percentage variation		
	1956	1955	Percentage variation	1951 compared with 1946	1956 compared with 1951	1956 compared with 1946
All manufactures	285.9	270.1	+ 5.4	+27.5	+18.1	+ 50.6
Non-durable goods	245.6	235.2	+ 4.4	+18.8	+14.8	+ 36.3
Durable goods	348.9	324.8	+ 7.4	+39.4	+22.0	+ 70.1
Non-durable goods:						
Foods	205.3	203.0	+ 1.1	+ 6.5	+ 8.8	+ 15.9
Beverages	376.5	358.3	+ 5.1	+27.0	+26.5	+ 60.6
Tobacco and tobacco products	325.5	303.3	+ 7.3	+ 3.8	+53.4	+ 59.2
Rubber and rubber products	318.5	296.3	+ 7.5	+67.3	+20.5	+101.6
Leather products	147.9	136.7	+ 8.2	-30.3	+26.4	- 11.9
Textiles	182.4	185.3	- 1.6	+29.0	-12.6	+ 12.8
Clothing, including knitting mills	156.0	149.0	+ 4.7	- 2.1	+ 4.2	+ 2.0
Paper products	279.7	267.7	+ 4.5	+31.2	+12.9	+ 48.1
Printing, publishing and allied industries	236.9	219.5	+ 7.9	+35.4	+21.7	+ 64.7
Products of petroleum and coal	442.2	385.4	+14.8	+64.2	+60.9	+164.3
Chemicals and allied products	300.7	291.8	+ 3.1	+12.7	+12.3	+ 26.5
Durable goods:						
Wood products	256.5	255.1	+ 0.5	+26.1	+16.3	+ 46.6
Iron and steel products	327.8	287.3	+14.1	+31.3	+12.2	+ 47.3
Transportation equipment	371.9	350.7	+ 6.0	+42.2	+18.1	+ 67.9
Non-ferrous metal products	285.7	270.9	+ 5.5	+46.6	+21.7	+ 78.5
Electrical apparatus and supplies	550.3	535.2	+ 2.8	+58.6	+40.3	+122.5
Non-metallic mineral products	525.9	471.5	+11.5	+54.5	+53.7	+137.5

Percentage Variation in Employment, Earnings and Factory Shipments, 1956 Compared With 1955 and 1954

Province and group	1956 compared with 1955			1956 compared with 1954		
	Number of employees	Earnings	Selling value of factory shipments	Number of employees	Earnings	Selling value of factory shipments
Canada	+4.2	+10.3	+10.9	+ 6.7	+17.4	+23.3
Newfoundland	+1.4	+ 6.5	+ 7.0	+ 6.2	+10.4	+12.9
Prince Edward Island	+0.3	+ 5.2	+ 3.7	+ 0.1	+ 7.8	+ 4.4
Nova Scotia	+2.4	+ 9.7	+16.1	+ 4.5	+17.0	+28.1
New Brunswick	+0.6	+ 7.7	+ 6.3	+ 2.0	+10.8	+ 9.0
Quebec	+3.9	+ 9.9	+11.8	+ 5.2	+15.0	+22.7
Ontario	+4.5	+10.6	+10.8	+ 7.1	+18.2	+24.9
Manitoba	+3.6	+ 9.7	+10.0	+ 3.9	+14.6	+13.3
Saskatchewan	+0.4	+ 5.3	+ 1.0	+ 0.1	+ 9.5	+ 6.2
Alberta	+5.6	+12.8	+ 9.7	+12.3	+24.0	+22.2
British Columbia	+6.0	+11.3	+10.7	+13.3	+23.2	+26.1
Yukon and Northwest Territories	+2.9	+12.6	+ 8.0	- 8.4	+ 8.1	+45.1
All groups	+4.2	+10.3	+10.9	+ 6.7	+17.4	+23.3
Foods and beverages	+1.6	+ 6.6	+ 5.9	+ 2.9	+14.4	+ 7.4
Tobacco and tobacco products	+0.9	+ 2.9	- 4.7	+ 1.5	+ 8.8	+ 6.2
Rubber products	+5.6	+11.4	+10.3	+10.7	+21.8	+34.6
Leather products	+2.6	+ 8.7	+ 8.7	+ 2.1	+11.6	+14.8
Textiles	+2.5	+ 6.1	+ 4.4	+ 9.7	+17.1	+19.7
Knitting mills	+1.2	+ 5.1	+ 6.4	+ 1.3	+ 4.3	+ 9.5
Clothing	+0.1	+ 6.0	+ 7.2	+ 0.1	+ 8.7	+12.8
Wood products	+1.4	+ 6.2	+ 5.2	+ 5.2	+16.5	+20.0
Paper products	+4.4	+10.6	+ 7.6	+ 7.3	+17.6	+15.8
Printing, publishing and allied industries	+4.0	+ 8.4	+11.1	+ 5.5	+15.5	+19.2
Iron and steel products	+8.4	+14.8	+22.9	+13.4	+26.6	+41.1
Transportation equipment	+7.2	+12.9	+12.4	+ 5.9	+15.5	+27.9
Non-ferrous metal products	+5.2	+ 9.6	+14.5	+11.0	+21.0	+47.3
Electrical apparatus and supplies	+9.2	+17.6	+13.3	+11.0	+20.1	+26.2
Non-metallic mineral products	+3.1	+ 9.3	+11.4	+14.0	+24.7	+31.6
Products of petroleum and coal	+1.1	+12.8	+18.6	+ 0.7	+17.2	+34.9
Chemicals and allied products	+1.9	+ 8.4	+ 6.4	+ 2.4	+13.2	+18.8
Miscellaneous industries	+6.1	+12.4	+15.3	+ 7.6	+17.0	+29.4

Tables 1 to 3 give a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages

paid, cost of materials and values of products. A number of interesting comparisons are made in Table 4 and figures of consumption are given in Table 6.

TABLE 1. Summary Statistics of Manufactures, 1917-56

Note: Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the series given below. They will be found in Table 1 in the 1941 edition of this report. Statistics of the non-ferrous metal smelting industries were included in manufactures for the first time in 1925.

Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No	\$	No.	\$	\$	\$	\$
1917	21,845	2,333,991,229	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1918	21,777	2,518,197,329	602,179	567,991,171	1,827,631,548	1,399,794,849	3,227,426,397
1919	22,083	2,670,559,435	594,066	601,715,668	1,779,056,765	1,442,400,638	3,221,457,403
1920	22,532	2,923,667,011	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1921	20,848	2,697,858,073	438,555	497,399,761	1,365,292,885	1,123,694,263	2,488,987,148
1922	21,016	2,667,493,290	456,256	489,397,230	1,272,651,585	1,103,266,106	2,375,197,691
1923	21,080	2,788,051,630	506,203	549,529,631	1,456,595,367	1,206,332,107	2,662,927,474
1924	20,709	2,895,317,508	487,610	534,467,675	1,422,573,946	1,075,458,459	2,570,561,931
1925 ³	20,981	3,065,730,916	522,924	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926 ⁴	21,301	3,208,071,197	559,161	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927 ⁵	21,501	3,454,825,529	595,052	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928 ⁵	21,973	3,804,062,566	631,429	721,471,634	1,894,027,188	1,597,887,676	3,582,345,302
1929 ⁵	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930 ⁵	22,618	4,041,030,475	614,696	697,555,378	1,664,787,763	1,522,737,125	3,280,236,603
1931	23,083	3,705,701,893	528,640	587,566,990	1,221,911,982	1,252,017,248	2,555,126,448
1932	23,102	3,380,475,509	468,833	473,601,716	954,381,097	955,960,724	1,980,471,543
1933	23,780	3,279,259,838	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785
1934	24,209	3,249,348,864	519,812	503,851,055	1,229,513,621	1,087,301,742	2,393,692,729
1935	24,034	3,216,403,127	556,664	559,467,777	1,419,146,217	1,153,485,104	2,653,911,209
1936	24,202	3,271,263,531	594,359	612,071,434	1,624,213,996	1,289,592,672	3,002,403,814
1937	24,834	3,465,227,831	660,451	721,727,037	2,006,926,787	1,508,924,867	3,625,459,500
1938	25,200	3,485,683,018	642,016	705,668,589	1,807,478,028	1,428,286,778	3,337,681,366
1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1940	25,513	4,095,716,836	762,244	920,872,865	2,449,721,903	1,942,471,238	4,529,173,316
1941	26,293	4,905,503,966	961,178	1,264,862,643	3,296,547,019	2,605,119,788	6,076,308,124
1942	27,862	5,488,785,545	1,152,091	1,682,804,842	4,037,102,725	3,309,973,758	7,553,794,972
1943	27,652	6,317,166,727	1,241,068	1,987,292,384	4,690,493,083	3,816,413,541	8,732,860,999
1944	28,483	Not collected	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1945	29,050	"	1,119,372	1,845,773,449	4,473,668,847	3,564,315,899	8,250,368,866
1946	31,249	"	1,058,156	1,740,687,254	4,358,234,766	3,467,004,980	8,035,692,471
1947	32,734	"	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580
1948	33,420	"	1,155,721	2,409,368,190	6,632,881,628	4,938,786,981	11,875,169,685
1949 ⁴	35,792	"	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1950 ⁴	35,942	"	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
1951 ⁴	37,021	"	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132
1952 ⁴	37,929	"	1,288,382	3,637,620,160	9,146,172,494	7,443,533,199	16,982,687,035
1953 ⁴	38,107	"	1,327,451	3,957,018,348	9,380,558,682	7,993,069,351	17,785,416,854
1954 ⁴	38,028	"	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
1955 ⁴	38,182	"	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811
1956 ⁴	37,428	"	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986

¹ Years 1924-1951, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. Years 1952 and 1953 the deduction is made from "Value of factory shipments" and in 1954 and subsequent years from the calculated value of production. Figures prior to 1924 are not comparable since statistics for cost of electricity are not available. (See text p.8. last four paragraphs).

² In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products."

³ A change in the method of computing the number of wage-earners in the years, 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was re-adopted.

⁴ Newfoundland is included for 1949 and subsequent years, however, figures for the fish processing industry, 1949 and 1950, are not available for this province and therefore not included.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-56

Province and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	No.	\$	No.	\$	\$	\$	\$
Newfoundland:							
1949	793	Not collected	6,934	15,486,336	31,228,173	32,918,776	67,264,282
1950	850	"	6,382	16,246,252	31,505,623	36,712,377	71,052,850
1951	822	"	9,622	22,681,246	43,117,299	53,690,187	100,642,513
1952	948	"	10,303	25,233,851	45,477,620	56,109,014	105,459,684
1953	939	"	10,575	26,604,908	44,972,021	57,784,697	106,524,603
1954	790	"	9,892	27,001,186	46,503,032	59,483,922	109,567,770
1955	785	"	10,361	28,604,469	49,914,856	60,580,922	115,579,036
1956	783	"	10,502	30,462,735	55,451,956	62,607,709	123,691,344
Prince Edward Island:							
1917	411	2,008,082	1,556	663,251	3,087,621	1,750,135	4,837,756
1920	370	2,328,686	1,287	855,210	4,154,223	2,135,357	5,300,080
1929	263	2,646,354	2,074	727,286	2,862,725	1,466,446	4,408,608
1933	249	2,256,307	991	529,684	1,590,834	1,126,826	2,775,787
1939	222	2,682,900	1,088	617,945	2,239,117	1,243,979	3,543,681
1944	241	Not collected	1,786	1,694,763	6,993,510	3,570,835	10,713,644
1949	251	"	1,747	2,133,555	13,537,144	4,338,320	18,123,200
1952	224	"	1,795	2,805,622	15,785,399	5,987,097	22,069,671
1953	216	"	1,809	3,095,845	16,963,798	5,878,761	23,198,970
1954	209	"	1,774	3,000,211	17,001,551	6,044,749	23,469,743
1955	204	"	1,769	3,074,085	16,803,035	6,431,660	23,628,831
1956	192	"	1,775	3,233,404	17,806,842	6,161,628	24,497,245
Nova Scotia:							
1917	1,337	124,357,851	25,252	18,838,051	102,415,215	57,565,703	159,980,918
1920	1,345	135,679,188	23,425	25,625,089	85,724,785	61,371,243	147,095,028
1929	1,094	118,951,398	19,986	16,905,885	50,725,562	35,676,421	89,787,548
1933	1,277	92,004,624	12,211	9,604,680	25,354,319	19,986,257	47,912,432
1939	1,083	101,954,082	17,627	16,551,685	43,332,195	35,885,563	83,139,572
1944	1,281	Not collected	37,812	59,940,411	103,463,123	93,375,638	204,421,664
1949	1,480	"	29,311	54,686,577	135,841,899	102,294,298	247,592,389
1952	1,533	"	33,371	75,245,387	183,141,366	130,715,000	326,839,747
1953	1,591	"	32,040	76,390,755	180,543,535	127,917,165	320,012,264
1954	1,526	"	29,611	71,740,240	161,294,873	129,777,850	300,072,733
1955	1,524	"	30,218	76,555,923	175,194,419	139,646,423	331,129,690
1956	1,402	"	30,937	83,948,510	214,779,069	159,820,242	384,398,103
New Brunswick:							
1917	943	60,300,907	19,710	12,893,014	32,380,621	27,027,725	59,408,346
1920	901	101,216,395	19,007	19,266,821	60,812,641	45,803,164	106,615,805
1929	803	91,375,948	17,952	15,127,716	39,800,366	26,640,786	68,145,012
1933	747	90,148,317	11,336	9,308,100	20,442,421	18,166,713	41,345,622
1939	803	91,171,323	14,501	13,659,162	35,617,614	27,041,195	66,058,151
1944	937	Not collected	23,164	32,345,080	83,993,599	62,258,478	152,106,577
1949	1,060	"	23,446	44,219,819	131,804,253	91,187,375	231,506,191
1952	1,077	"	24,251	55,978,462	164,760,874	117,837,471	293,759,782
1953	1,094	"	24,471	59,753,045	163,797,711	120,617,345	295,750,419
1954	1,057	"	22,107	55,109,428	157,215,921	118,015,815	287,350,600
1955	1,052	"	22,434	56,683,345	160,905,219	120,808,214	294,829,050
1956	1,004	"	22,560	61,053,301	176,440,306	125,314,488	313,280,599
Quebec:							
1917	7,032	662,012,975	188,043	141,008,616	385,212,984	380,882,409	766,095,393
1920	7,530	878,859,638	183,746	202,516,550	533,568,530	499,443,217	1,053,201,737
1929	6,948	1,246,208,650	206,580	225,226,808	537,270,055	537,796,395	1,108,592,775
1933	7,856	1,035,339,591	157,481	134,696,386	292,560,568	288,504,782	604,496,078
1939	8,373	1,182,538,441	220,321	223,757,767	536,823,039	470,385,279	1,045,757,585
1944	9,656	Not collected	424,115	668,156,053	1,494,253,053	1,350,519,134	2,429,085,183
1949	11,579	"	390,275	809,579,270	2,027,793,643	1,651,629,068	3,788,497,123
1952	12,024	"	429,698	1,125,944,703	2,745,618,113	2,288,643,279	5,176,234,625
1953	12,132	"	441,555	1,225,573,314	2,816,373,112	2,424,647,499	5,386,784,863
1954	12,191	"	424,095	1,214,661,400	2,806,248,363	2,448,027,538	5,395,786,544
1955	12,194	"	429,575	1,271,077,953	3,152,541,331	2,622,333,056	5,922,367,074
1956	12,112	"	446,137	1,396,414,564	3,605,521,066	2,888,148,758	6,622,502,699
Ontario:							
1917	9,061	1,157,850,643	299,389	258,393,065	794,556,502	662,174,261	1,456,730,763
1920	9,113	1,464,097,346	295,674	362,941,317	1,071,843,374	792,267,562	1,864,110,936
1929	9,348	1,986,735,556	328,533	406,622,627	1,056,530,202	916,971,816	2,020,492,433
1933	9,542	1,587,947,947	224,816	220,530,088	464,544,563	465,103,842	958,776,858
1939	9,824	1,762,571,569	318,871	378,376,209	907,011,461	791,428,569	1,745,674,707
1944	10,731	Not collected	354,392	475,038,060	2,310,347,858	1,930,043,913	4,339,797,784
1949	12,951	"	557,190	1,305,544,434	3,256,454,918	2,708,554,013	6,103,804,834
1952	13,172	"	609,696	1,844,186,405	4,387,431,403	3,811,106,576	8,372,173,266
1953	13,114	"	634,554	2,017,982,218	4,560,134,562	4,130,126,462	8,876,504,390
1954	13,178	"	598,914	1,954,767,388	4,412,535,948	3,930,730,030	8,533,167,214
1955	13,276	"	613,672	2,088,905,627	5,014,225,423	4,426,654,771	9,617,642,921
1956	13,215	"	641,190	2,310,634,396	5,683,753,088	4,868,570,251	10,655,098,520

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-56 - Concluded

Province and Year	Estab-lish-ments	Capital	Em-ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	No.	\$	No.	\$	\$	\$	\$
Manitoba:							
1917	732	82,566,858	18,939	16,513,423	69,715,149	42,280,801	111,995,950
1920	747	94,424,145	23,728	32,372,081	92,729,271	62,776,912	155,506,183
1929 ²	861	121,363,898	24,012	31,224,596	87,832,324	63,925,015	155,265,294
1933	1,010	100,074,404	18,871	18,687,430	44,579,998	37,390,275	83,934,777
1939	1,087	119,659,365	23,310	28,444,798	82,408,293	48,810,544	134,293,595
1944	1,290	Not collected	40,937	62,758,061	226,234,925	120,339,926	352,334,594
1949	1,520	"	41,956	86,088,380	299,101,498	157,335,495	474,681,912
1952	1,531	"	43,365	112,147,572	347,664,650	216,814,306	574,037,212
1953	1,540	"	43,740	121,126,279	345,403,115	229,797,439	584,872,459
1954	1,522	"	41,224	116,454,886	328,827,009	232,487,743	571,408,772
1955	1,549	"	41,318	121,718,573	329,698,765	247,472,108	588,351,081
1956	1,534	"	42,821	133,505,971	387,024,766	270,017,554	647,389,185
Saskatchewan:							
1917	560	24,372,585	6,230	5,403,332	22,040,674	13,894,179	35,934,853
1920	554	24,640,520	6,709	9,571,175	34,894,105	22,610,861	57,504,966
1929 ³	594	43,925,797	7,025	9,105,597	51,003,566	23,002,952	75,368,605
1933	673	38,688,433	4,782	4,848,763	19,124,030	11,478,634	31,559,387
1939	737	37,654,095	6,475	7,346,127	38,782,135	20,283,273	60,650,589
1944	1,054	Not collected	12,361	17,703,103	131,215,017	40,833,333	175,349,234
1949	962	"	10,841	22,273,942	164,343,341	47,356,949	215,742,708
1952	1,022	"	11,307	29,489,862	172,388,119	80,934,157	258,931,776
1953	1,062	"	11,604	32,395,518	180,303,942	79,941,332	266,613,086
1954	1,010	"	11,526	33,509,833	169,326,001	104,560,398	280,733,784
1955	960	"	11,490	34,825,511	174,078,701	113,598,622	295,162,037
1956	798	"	11,536	36,683,383	176,871,188	113,627,642	298,203,489
Alberta:							
1917	536	49,146,241	9,461	8,662,417	42,632,212	23,883,673	66,515,885
1920	666	48,310,655	10,955	15,210,628	56,139,646	29,812,891	85,952,537
1929 ³	736	81,875,952	12,216	14,585,734	62,500,175	36,824,969	100,966,196
1933	874	69,604,563	9,753	9,573,468	29,425,975	18,876,929	49,395,514
1939	961	73,284,225	12,712	14,977,700	53,151,149	32,618,153	87,474,080
1944	1,165	Not collected	22,186	33,227,729	172,082,537	77,415,753	252,949,894
1949	1,685	"	26,425	55,115,554	251,364,059	114,681,296	371,995,120
1952	2,150	"	31,765	82,527,194	331,817,141	178,221,013	518,410,811
1953	2,072	"	33,082	92,605,153	346,221,162	199,660,428	555,814,827
1954	2,052	"	32,765	96,909,889	346,524,989	219,327,509	575,277,702
1955	2,126	"	34,846	105,548,815	366,022,853	263,308,701	641,148,235
1956	1,971	"	36,792	120,195,105	412,138,247	285,830,811	703,188,739
British Columbia:							
1917	1,133	171,375,087	37,943	35,426,675	87,637,833	71,673,094	159,310,927
1920	1,306	174,110,438	34,360	49,135,005	125,405,084	104,851,641	230,256,725
1929 ⁴	1,569	311,806,456	48,153	57,764,968	141,145,838	113,082,137	260,413,645
1933	1,552	263,195,652	28,417	28,469,225	70,166,220	59,034,923	133,879,330
1939	1,710	274,969,502	42,554	53,881,994	136,655,872	103,263,292	247,948,600
1944	2,116	Not collected	96,062	178,639,118	303,560,016	337,137,197	655,844,689
1949	3,493	"	82,934	196,403,722	531,112,329	409,665,348	959,008,088
1952	4,225	"	92,667	283,530,976	751,011,248	556,172,312	1,332,481,862
1953	4,317	"	93,844	300,921,318	724,495,754	615,686,215	1,366,823,690
1954	4,462	"	95,867	319,802,914	794,885,369	651,812,950	1,474,156,242
1955	4,486	"	102,408	353,810,727	895,973,668	750,877,508	1,679,344,816
1956	4,393	"	108,595	393,869,388	1,007,862,346	824,249,273	1,859,368,466
Yukon and N.W.T.:							
1939	5	538,847	55	97,766	138,500	92,054	242,968
1944	12	Not collected	67	118,972	189,718	280,803	489,256
1949	18	"	148	359,068	643,807	604,896	1,377,453
1952	23	"	164	530,126	1,075,561	1,022,974	2,288,039
1953	30	"	177	569,995	1,349,970	1,012,008	2,516,683
1954	31	"	191	630,316	1,492,898	1,855,633	3,536,300
1955	26	"	170	604,507	2,843,895	1,732,511	4,751,000
1956	24	"	175	681,433	3,867,415	1,076,223	5,130,497

¹ In 1952 and subsequent years the basis of collection is "Selling value of factory shipments" instead of "Gross value of products".² Includes for the first time the fish processing industry.³ A change in method of computing the number of wage-earners in the years 1925 to 1930 inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931 the method in force prior to 1925 was re-adopted.⁴ Includes Yukon and Northwest Territories.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-56

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dollars		
Foods and beverages:						
1945	8,872	156,396	224,908,882	1,336,820,028	558,247,045	1,921,774,601
1946	8,862	160,821	241,769,865	1,408,818,069	604,120,647	2,040,708,650
1947	8,869	167,865	276,245,015	1,656,529,086	695,092,932	2,383,975,675
1948	8,686	168,893	311,235,818	2,034,844,290	766,434,971	2,839,531,142
1949	8,558	170,024	332,536,319	2,009,246,062	834,017,547	2,882,581,753
1952	8,263	175,552	429,650,055	2,333,089,054	1,091,944,158	3,472,516,950
1953	8,129	176,649	455,280,552	2,296,739,737	1,146,473,720	3,491,961,511
1954	8,090	177,883	477,058,728	2,334,166,626	1,181,648,171	3,562,546,744
1955	8,134	180,085	498,786,577	2,319,782,949	1,257,652,677	3,614,315,616
1956	8,023	183,008	531,634,259	2,474,174,069	1,311,492,763	3,826,702,255
Tobacco and tobacco products:						
1945	86	12,164	15,738,041	79,176,519	42,985,992	122,543,932
1946	95	10,849	14,410,558	79,255,405	39,981,625	119,634,216
1947	91	10,880	16,234,772	97,121,002	49,221,094	146,793,011
1948	79	10,459	19,550,563	95,851,271	57,666,963	153,993,442
1949	72	10,686	21,896,378	113,357,196	58,529,226	172,420,213
1952	61	9,277	25,405,072	144,537,670	70,777,110	215,914,370
1953	55	9,494	28,765,643	138,491,043	75,015,218	214,145,491
1954	53	9,469	27,868,939	144,960,769	79,439,243	225,340,976
1955	56	9,529	29,446,891	163,027,885	88,652,932	250,933,785
1956	51	9,613	30,308,655	150,111,499	88,298,796	239,242,872
Rubber products:						
1945	55	23,490	39,111,477	78,500,892	98,836,225	181,413,226
1946	60	22,055	37,813,363	62,135,578	93,451,248	159,408,113
1947	60	23,475	46,613,893	82,934,625	110,673,007	196,307,734
1948	56	21,703	48,273,015	84,223,731	106,999,669	194,111,934
1949	62	20,729	48,172,207	73,895,718	101,705,513	178,503,559
1952	70	21,582	65,477,683	120,799,295	162,493,060	286,654,629
1953	72	22,600	70,994,643	114,336,694	172,674,055	290,735,459
1954	73	20,894	67,476,405	106,501,858	149,073,979	264,184,787
1955	82	21,913	73,774,964	137,074,770	187,029,017	322,412,379
1956	91	23,136	82,154,889	160,686,586	198,602,139	355,583,815
Leather products:						
1945	706	34,123	43,268,635	95,006,015	71,297,713	167,888,463
1946	776	37,290	49,712,628	108,702,945	82,319,495	192,749,456
1947	792	35,724	52,628,612	123,894,474	96,646,061	212,430,165
1948	757	34,291	55,122,862	114,819,233	96,947,703	203,758,501
1949	747	34,900	59,699,886	117,869,462	91,157,684	210,804,174
1952	701	32,103	66,153,490	115,714,505	101,511,149	219,200,929
1953	695	33,068	70,965,495	116,416,179	103,937,262	222,410,182
1954	673	30,748	67,161,757	101,250,853	102,339,751	206,512,812
1955	646	30,575	68,970,276	108,961,619	107,215,340	218,043,090
1956	646	31,384	74,970,034	123,790,832	112,857,380	237,031,985
Textile products: (except clothing)						
1945	664	66,011	38,372,939	217,289,281	165,689,522	391,182,025
1946	720	67,366	95,637,733	215,353,616	178,852,730	402,966,184
1947	747	73,979	116,228,736	289,986,732	215,170,493	514,844,838
1948	722	75,816	141,002,245	331,943,622	261,774,544	604,946,333
1949	847	77,773	156,166,554	339,644,950	285,641,367	636,824,130
1952	918	72,739	178,689,466	418,522,518	312,627,434	744,141,645
1953	959	73,190	184,604,616	388,324,584	299,231,284	700,690,265
1954	975	64,581	170,196,140	350,113,694	275,492,879	640,870,047
1955	977	69,144	187,805,044	408,890,576	314,533,385	734,515,445
1956	965	70,873	199,327,510	430,420,090	323,820,707	766,977,127
Clothing: (textile and fur)						
1945	2,676	99,959	131,478,496	251,899,847	222,307,394	476,754,319
1946	2,938	105,868	146,265,152	285,568,957	263,013,398	551,331,576
1947	3,121	110,329	169,951,727	311,019,817	300,527,093	614,594,703
1948	3,100	115,105	191,866,371	361,216,438	345,028,807	709,688,704
1949	3,058	117,752	206,512,782	371,128,833	352,741,236	727,498,836
1952	3,041	117,668	240,539,672	443,956,596	405,091,338	853,151,206
1953	3,082	120,071	254,425,960	439,262,654	414,503,222	857,981,013
1954	3,030	111,315	239,072,710	410,078,242	383,538,744	801,533,118
1955	2,944	111,344	243,644,687	435,588,452	401,110,652	839,548,665
1956	2,811	111,712	267,854,168	483,175,047	418,424,063	898,919,689

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-56—Continued

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dollars		
Wood products:						
1945	7,656	93,209	119,833,932	240,482,275	208,979,657	454,447,165
1946	8,846	105,472	142,338,538	297,923,979	256,436,946	560,341,251
1947	9,744	120,434	186,467,946	398,854,196	365,050,223	771,403,332
1948	10,495	124,306	214,741,924	428,913,571	401,401,795	839,045,068
1949	11,191	121,632	224,902,644	436,637,453	393,928,758	840,355,634
1952	12,467	130,468	299,430,981	618,979,510	534,155,313	1,167,629,531
1953	12,462	134,310	325,619,252	649,731,056	577,381,926	1,242,014,812
1954	12,165	128,931	323,122,214	623,756,753	566,186,899	1,205,959,905
1955	11,804	133,673	354,439,897	723,815,493	631,857,981	1,375,343,554
1956	11,103	135,583	376,349,267	788,465,324	646,223,303	1,446,612,560
Paper products:						
1945	475	60,819	109,627,174	255,265,326	241,121,150	536,859,861
1946	486	67,442	134,320,546	313,410,656	333,819,710	695,085,534
1947	502	73,445	168,632,394	410,456,570	443,374,435	911,238,813
1948	522	75,980	197,397,810	485,237,427	509,993,037	1,061,359,807
1949	524	76,471	208,438,621	494,300,501	532,288,636	1,093,060,326
1952	543	82,965	292,682,283	694,190,401	736,217,142	1,510,148,791
1953	555	84,436	310,107,707	717,460,043	767,273,583	1,568,250,521
1954	569	87,370	331,556,026	742,032,309	802,280,157	1,630,162,601
1955	580	89,750	349,777,049	793,008,069	867,261,587	1,754,098,505
1956	568	93,705	386,886,416	885,056,261	908,726,918	1,887,611,000
Printing, publishing and allied trades:						
1945	2,312	43,565	74,257,775	52,655,848	132,385,988	186,945,134
1946	2,404	48,950	86,433,880	65,501,698	154,951,731	222,548,636
1947	2,458	52,096	101,611,652	82,585,466	178,667,051	263,632,152
1948	2,496	54,541	119,087,977	96,384,499	208,208,175	307,345,914
1949 ²	3,866	61,834	141,489,984	124,684,351	250,162,704	377,908,182
1952	4,124	64,485	186,250,715	160,393,787	326,662,173	490,934,851
1953	4,157	66,530	205,626,554	175,222,037	364,363,975	543,752,372
1954	4,227	68,614	220,275,989	188,725,630	384,791,305	577,355,291
1955	4,494	69,602	234,579,858	199,161,743	415,668,242	619,828,786
1956	4,585	72,361	254,372,125	225,201,594	459,224,177	686,434,263
Iron and steel products:						
1945	1,903	169,278	313,966,173	395,624,098	527,473,688	952,482,150
1946	2,086	151,373	279,567,770	337,981,814	461,501,765	824,766,017
1947	2,200	162,399	334,044,246	451,289,335	580,342,444	1,064,654,410
1948	2,263	170,271	400,878,271	570,290,989	709,347,226	1,320,527,400
1949	2,347	163,622	413,227,553	619,499,256	760,934,249	1,419,145,725
1952	2,625	189,191	617,010,924	947,993,190	1,134,043,024	2,135,031,744
1953	2,698	188,236	643,474,127	906,165,239	1,140,931,549	2,098,551,079
1954	2,801	173,698	605,526,529	829,237,679	1,085,231,674	1,954,230,964 ³
1955	2,895	181,700	687,657,079	1,005,246,993	1,199,245,953	2,242,717,918
1956	2,963	196,918	766,376,087	1,315,813,753	1,429,985,145	2,756,769,477
Transportation equipment:						
1945	504	154,844	326,748,794	498,241,686	523,910,119	1,034,666,913
1946	539	100,745	200,097,765	301,206,639	279,333,127	590,128,311
1947	562	104,348	230,895,680	426,573,091	366,151,761	803,611,372
1948	578	101,818	255,504,526	509,910,825	419,135,597	941,483,906
1949	596	104,750	270,852,111	584,064,330	466,529,164	1,063,211,331
1952	617	146,360	473,118,450	1,009,470,570	778,347,604	1,803,699,823
1953	621	156,059	555,411,152	1,110,953,581	961,205,155	2,089,937,633
1954	602	133,432	479,079,750	985,721,281	701,600,725	1,713,962,985
1955	594	131,789	490,434,996	1,117,768,836	809,748,007	1,950,410,035
1956	591	141,257	553,571,826	1,286,297,404	906,154,667	2,192,934,975
Non-ferrous metal products:						
1945	436	44,221	81,889,942	337,872,041	180,653,076	548,853,026
1946	474	40,855	75,855,699	311,082,975	149,492,336	484,612,453
1947	503	43,344	91,046,568	434,517,197	201,162,856	668,074,514
1948	503	46,048	108,778,618	556,238,618	248,225,806	844,598,154
1949	532	44,698	114,591,106	537,218,214	289,125,045	867,043,028
1952	552	50,938	167,045,084	744,596,427	414,920,456	1,215,118,447
1953	551	52,058	178,710,057	726,128,115	458,180,471	1,242,010,994
1954	573	50,494	182,191,321	717,966,073	486,933,852	1,263,774,817
1955	581	53,311	201,109,879	974,792,188	590,744,048	1,626,980,855
1956	581	56,071	220,369,740	1,128,961,556	667,853,158	1,862,156,162

See footnotes page 15.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-56 - Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number				dollars	
Electrical apparatus and supplies:						
1945	247	44,129	76,468,795	92,041,030	135,919,899	230,531,874
1946	266	43,998	74,510,479	101,939,272	129,968,926	234,572,653
1947	296	52,736	103,891,016	162,131,266	200,859,040	366,506,203
1948	314	53,873	122,113,644	180,344,829	241,333,960	425,725,279
1949	365	55,916	137,278,521	212,460,413	269,341,983	486,286,355
1952	401	69,200	217,564,936	313,713,170	395,933,805	715,873,342
1953	422	76,856	250,646,777	383,743,994	457,489,516	848,190,254
1954	457	75,075	258,509,601	396,583,427	462,960,141	863,942,144
1955	468	76,244	264,031,474	477,655,753	469,918,651	962,615,012
1956	473	83,296	310,522,800	558,249,520	577,411,595	1,090,194,175
Non-metallic mineral products:						
1945	700	20,269	32,959,877	41,488,955	76,318,456	130,704,796
1946	833	24,387	39,651,286	49,957,966	94,591,439	160,476,827
1947	863	26,443	50,456,143	66,266,546	115,277,990	201,786,910
1948	934	27,278	58,816,381	72,577,633	134,897,744	232,148,324
1949	1,020	28,139	64,594,354	78,401,065	143,872,615	246,457,799
1952	1,057	31,422	92,818,919	115,217,568	203,692,859	350,051,630
1953	1,094	34,352	107,275,074	134,118,848	239,815,853	408,909,192
1954	1,160	35,229	114,849,079	145,120,516	256,951,758	435,208,000
1955	1,171	38,949	131,006,731	174,489,301	301,656,877	514,118,801
1956	1,183	40,165	143,223,163	206,872,491	322,821,042	572,539,111
Products of petroleum and coal:						
1945	80	11,532	22,904,418	188,899,911	65,637,131	270,166,984
1946	77	12,106	24,197,354	190,527,903	79,046,757	286,007,855
1947	80	12,769	28,689,932	257,420,851	84,073,746	361,333,008
1948	75	13,676	34,766,341	369,035,161	97,064,006	491,961,894
1949	77	14,552	39,783,500	391,036,128	117,819,090	533,730,719
1952	101	16,905	63,573,173	519,629,241	225,825,749	780,436,047
1953	100	17,112	66,565,434	576,310,641	211,552,953	823,089,340
1954	104	17,559	69,681,725	625,411,385	358,372,309	1,020,911,348 ²
1955	106	17,486	72,436,559	704,384,995	417,349,989	1,160,824,499
1956	107	17,685	81,679,924	837,826,914	489,299,180	1,377,226,103
Chemicals and allied products:						
1945	986	61,339	107,050,824	228,855,956	252,944,165	498,630,798
1946	1,031	38,012	67,842,339	179,749,719	208,399,498	401,741,703
1947	1,046	39,237	78,993,517	238,310,157	234,056,973	488,307,293
1948	1,026	39,548	89,325,771	293,041,874	268,818,222	579,827,509
1949	1,037	41,328	100,690,662	280,008,945	288,171,551	587,398,215
1952	1,075	47,694	148,075,675	357,818,760	414,087,592	796,562,234
1953	1,105	50,207	164,590,810	403,686,331	448,276,576	881,503,845
1954	1,116	51,603	177,311,960	437,051,091	476,125,328	935,724,980
1955	1,126	51,856	185,267,943	480,104,190	528,928,509	1,044,079,000
1956	1,131	52,821	200,742,647	527,564,227	556,240,754	1,111,233,404
Miscellaneous industries:						
1945	692	24,024	37,187,275	83,549,139	59,608,689	144,523,599
1946	706	20,587	30,262,299	48,617,375	58,718,602	108,607,036
1947	800	22,247	36,291,117	44,390,608	65,708,603	111,532,447
1948	814	22,315	40,906,054	48,907,617	75,510,756	125,116,374
1949	893	26,401	51,147,475	59,778,187	94,600,066	156,363,321
1952	1,313	29,833	74,133,582	87,550,232	135,203,233	225,620,866
1953	1,350	32,223	85,954,495	103,467,901	154,763,033	261,282,891
1954	1,360	31,071	85,748,818	102,179,368	149,157,222	252,306,085
1955	1,524	31,511	89,239,630	114,448,353	164,876,649	283,147,866
1956	1,556	33,432	100,348,480	138,869,722	187,988,792	326,580,013

¹ In 1952 the basis of collection was changed from "value of products made" to "selling value of factory shipments".² Increase is due to the inclusion for the first time of establishments that publish periodicals without doing any printing.³ There were three major changes in concept affecting the data for the Primary Iron and Steel industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "value added by manufacture". Figures for 1954 and subsequent years are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel industry.⁴ Apparent advance in the selling value of factory shipments is due in part to an actual gain in physical output, but the major factor contributing to this increase was a change in accounting procedure by some firms of the petroleum products industry in calculating value of factory shipments. This increased the value by approximately \$139,000,000 over what the value would have been by the former method.

Significant Changes in Manufacturing Production.—The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1956. In analysing statistics of production and materials used, price changes should be borne in mind, particularly the inflation of values in the years immediately following World War I, the drop in prices of commodities during the depressions following 1921 and 1930, and the increases again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 10,397,703 in 1953, an advance of about 527 p.c. in 37 years. In the same period, horse-power per production employee showed an uninterrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of production employees on war production, and the more efficient

utilization of the equipment available, the horse-power per production employee dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the war resulted in a rise to 8.52 in 1948 and 9.87 in 1953. The significant feature is the increase in both the absolute figures of power employed and the averages per production employee during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average earnings since 1929. Between 1949 and 1956 the value of purchased fuel and electricity increased by 71.3 per cent; for full details of fuel and electricity used by the manufacturing industries see Tables 57 and 58.

TABLE 4. Significant Statistics of Manufactures for Significant Years 1917-1956

Item	1917	1920	1929 ¹	1933
Establishments.....	No. 21,845	22,532	22,216	23,780
Totals, employees.....	606,523	598,893	666,531	468,658
Averages, per establishment.....	27.8	26.6	30.0	19.7
Total earnings.....	\$ 497,801,844	717,493,876	777,291,217	436,247,824
Averages, per establishment.....	22,788	31,843	34,988	18,345
Averages, per employee.....	821	1,198	1,166	931
Supervisory and office employees.....	No. 64,918	78,334	88,841	86,636
Averages, per establishment.....	3.0	3.5	4.0	3.6
Earnings.....	\$ 85,353,667	141,837,361	175,553,710	139,317,946
Averages, per employee.....	1,315	1,811	1,976	1,608
Production workers.....	No. 541,605	520,559	577,690	382,022
Averages, per establishment.....	24.8	23.1	26.0	16.1
Earnings.....	\$ 412,448,177	575,656,515	601,737,507	296,929,878
Averages, per employee.....	762	1,106	1,042	777
Cost of materials.....	\$ 1,539,678,811	2,085,271,649	2,029,670,813	967,788,928
Averages, per establishment.....	70,482	92,547	91,361	40,698
Averages, per employee.....	2,539	3,482	3,045	2,065
Values added by manufactures ²	\$ 1,281,131,980	1,621,273,348	1,755,386,937	919,671,181
Averages, per establishment ²	58,646	71,954	79,015	38,674
Averages, per employee ²	2,112	2,707	2,634	1,962
Gross value of products.....	\$ 2,820,810,791	3,706,544,997	3,983,446,116	1,954,075,785
Averages, per establishment.....	129,128	164,501	174,804	82,173
Averages, per employee.....	4,651	6,189	5,286	4,170
Power employed.....	hp. 1,658,475	2,068,875	3,855,648	4,135,008
Averages, per establishment.....	76	92	174	174
Averages, per production worker.....	3.06	3.97	6.67	10.82
	1939	1944	1949	1956
Establishments.....	No. 24,805	28,483	35,792	37,428
Totals, employees.....	658,114	1,222,882	1,171,207	1,353,020
Averages, per establishment.....	26.5	42.9	32.7	36.1
Total earnings.....	\$ 737,811,153	2,029,621,370	2,591,890,657	4,570,692,190
Averages, per establishment.....	29,744	71,257	72,415	122,120
Averages, per employee.....	1,121	1,660	2,213	3,378
Supervisory and office employees.....	No. 124,772	192,558	221,551	301,297
Averages, per establishment.....	5.0	6.8	6.2	8.1
Earnings.....	\$ 217,839,334	418,065,594	628,427,937	1,272,025,985
Averages, per employee.....	1,746	2,171	2,836	4,222
Production workers.....	No. 533,342	1,030,324	949,656	1,051,723
Averages, per establishment.....	21.5	36.2	26.5	28.1
Earnings.....	\$ 519,971,819	1,611,555,776	1,963,462,720	3,298,666,205
Averages, per employee.....	975	1,564	2,068	3,136
Cost of materials.....	\$ 1,836,159,375	4,832,333,356	6,843,231,064	11,721,536,889
Averages, per establishment.....	74,024	169,657	191,194	313,176
Averages, per employee.....	2,790	3,952	5,843	8,663
Values added by manufactures ²	\$ 1,531,051,901	4,015,776,010	5,330,566,434	9,605,424,579
Averages, per establishment ²	61,724	140,989	148,932	256,637
Averages, per employee ²	2,326	3,284	4,551	7,099
Gross value of products.....	\$ 3,474,783,528	9,073,692,519	12,479,593,300	21,636,748,986 ⁴
Averages, per establishment.....	140,084	318,565	348,670	578,090
Averages, per employee.....	5,280	7,420	10,655	15,991
Power employed.....	hp. 5,045,287	6,468,439	2	10,397,703 ³
Averages, per establishment.....	203	227	2	273 ³
Averages, per production worker.....	9.46	6.28	2	9.87 ³

¹ A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted.

² Collected only every five years. These figures are for 1953 which is the latest year available.

³ See footnote 1, Table 1.

⁴ See footnote 2, Table 1.

Recent Changes in Manufacturing Production. — Table 5 shows the changes in the nature of manufacturing production since the end of World War II with regard to numbers employed, the salaries and wages paid, and the gross value of products. Owing to price declines during depressions and rises during periods of prosperity, the values of both wages and products are naturally affected more than the number of employees. Furthermore, during periods of curtailed production there is a tendency for production workers to be put on part time, while the number of office employees responds less quickly to reduction in output than that of production workers. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The figures of Table 5 are to be compared with those of Tables 8, 9 and 10 which show changes in volume of production. The number of employees in 1944 increased by 86 p.c. over 1939. Salaries and wages paid were 175 p.c. higher and the gross value of production 161 p.c. higher. Another significant change is the increase in the proportion of women engaged in manufacturing. Whereas in 1939, there were 281 females to every 1,000 males employed, in 1944 this figure jumped to 403.

Significant changes in the nature of manufacturing production took place after the cessation of hostilities in 1945. Industries engaged in war production operated at a substantially lower level, while industries producing consumer goods stepped up their production. From the point of view of employment the chemical and allied products group with a drop of 33 p.c. experienced the greatest decline in production between 1945 and 1949. Transportation equipment which includes aircraft and shipbuilding was second with a drop of 32 p.c., followed by tobacco and tobacco products with 12 p.c., rubber goods 12 p.c. and iron and steel products 3 p.c. The non-metallic mineral products group reported the greatest gain in employment with an increase of 39 p.c., followed by printing, publishing and allied trades 31 p.c., wood products 29 p.c., electrical apparatus and supplies 27 p.c., products of petroleum and coal 26 p.c., paper products 21 p.c., textiles (except clothing) 19 p.c., clothing (textile and fur) 18 p.c., foods and beverages 8 p.c., leather products 2 p.c. and non ferrous metal products 1 p.c.

For manufacturing as a whole there was an increase of 4 p.c. in the number of employees with an increase of 39 p.c. in the amount of salaries and wages paid. Although there was an increase of 50 p.c. in the gross value of production, the increase in the physical volume was only 3.4 p.c. This is due to the rise in the wholesale prices of fully and partly manufactured products.

Between 1949 and 1954, for manufacturing as a whole, there was an increase of 40.6 p.c. in the gross value of production, 8.1 p.c. in employment, and 75.5 p.c. in salaries and wages paid. In terms of employment, the electrical apparatus and supplies group with an increase of 34.3 p.c. experienced the greatest expansion since 1949. Transportation equipment came second with 27.4 p.c., followed by non-metallic mineral products with 25.2, chemicals and allied products 24.9, products of petroleum and coal 20.7, miscellaneous industries 17.7, paper products 14.3, non-ferrous metal products 13.0, and printing, publishing and allied industries 11.0. The smallest gain was reported by the rubber products group with 0.8 p.c. Four groups reported declines in employment. Textiles led the list with a drop of 17.0 p.c., followed by leather products with 11.9, tobacco and tobacco products 11.4 and clothing 5.5.

Significant changes have also occurred regionally between 1949 and 1954. In terms of employment, there was an increase of 8.1 p.c. for Canada as a whole. With the exception of two provinces, New Brunswick and Manitoba, all other provinces reported increased employment in manufacturing. Alberta led in this respect with an increase of 24.0 p.c., followed by British Columbia with 15.6 p.c., Newfoundland 13.2 p.c. and Quebec 8.7 p.c. These four provinces were above the Canadian average of 8.1 p.c. Four other provinces also reported increases in employment, but below the Canadian average. Of these Ontario reported an increase of 7.5 p.c., Saskatchewan 6.3 p.c., Prince Edward Island 1.5 p.c. and Nova Scotia 1.0 p.c. Of the two provinces reporting declines New Brunswick suffered a drop of 5.7 p.c. and Manitoba a drop of 1.7 p.c. The following table gives the changes which have taken place in manufacturing during the past ten years, on an industrial as well as a geographical basis.

TABLE 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in Each Province and Major Industrial Group, Compared for Significant Years, 1945-54
(For a comparison of 1956 with 1955 and 1954 see page 9)

Province and group	1949 compared with 1945			1954 compared with 1949		
	Employees	Salaries and wages	Gross value of products	Employees	Salaries and wages	Gross value of products
Province	1	2	3	4	5	6
Newfoundland ¹	—	—	—	+ 13.2	+ 71.1	+ 43.3
Prince Edward Island	- 2.2	+ 25.9	+ 69.2	+ 1.5	+ 40.6	+ 29.5
Nova Scotia	- 22.5	- 8.8	+ 21.1	+ 1.0	+ 31.2	+ 21.2
New Brunswick	+ 1.2	+ 36.7	+ 52.2	- 5.7	+ 24.6	+ 24.1
Quebec	- 8.0	+ 21.2	+ 29.3	+ 8.7	+ 50.0	+ 42.4
Ontario	- 1.3	+ 33.8	+ 40.6	+ 7.5	+ 49.7	+ 39.8
Manitoba	+ 2.5	+ 37.2	+ 34.7	- 1.7	+ 35.3	+ 20.4
Saskatchewan	- 12.3	+ 25.8	+ 23.0	+ 6.3	+ 50.4	+ 30.1
Alberta	+ 19.1	+ 65.9	+ 47.1	+ 24.0	+ 75.8	+ 54.6
British Columbia	- 13.7	+ 9.9	+ 46.2	+ 15.6	+ 62.8	+ 53.7
Canada²	+ 3.6	+ 39.2	+ 50.0	+ 8.1	+ 75.5	+ 40.6
Industrial group						
Foods and beverages ³	+ 8.1	+ 48.5	+ 49.5	+ 3.4	+ 42.4	+ 23.1
Tobacco and tobacco products	- 12.2	+ 39.1	+ 42.3	- 11.4	+ 27.3	+ 30.7
Rubber products	- 11.8	+ 23.2	+ 1.6	+ 0.8	+ 40.1	+ 48.0
Leather products	+ 2.3	+ 38.0	+ 25.6	- 11.9	+ 12.5	- 2.0
Textile products (except clothing)	+ 18.9	+ 78.6	+ 65.1	- 17.0	+ 9.0	+ 0.6
Clothing (textile and fur)	+ 17.8	+ 57.1	+ 52.6	- 5.5	+ 15.8	+ 10.2
Wood products ³	+ 28.9	+ 86.7	+ 83.9	+ 6.0	+ 43.7	+ 43.5
Paper products ³	+ 20.7	+ 80.5	+ 95.1	+ 14.3	+ 59.1	+ 49.1
Printing, publishing and allied industries ⁴	+ 31.2	+ 81.2	+ 84.1	+ 11.0	+ 55.7	+ 52.8
Iron and steel products	- 3.4	+ 31.6	+ 49.0	+ 6.2	+ 46.5	+ 37.7
Transportation equipment	- 32.4	- 17.1	+ 2.8	+ 27.4	+ 76.9	+ 61.2
Non-ferrous metal products	+ 1.1	+ 39.9	+ 58.0	+ 13.0	+ 59.0	+ 45.8
Electrical apparatus and supplies	+ 26.7	+ 79.5	+ 110.9	+ 34.3	+ 88.3	+ 77.7
Non-metallic mineral products	+ 38.8	+ 96.0	+ 88.6	+ 25.2	+ 77.8	+ 76.6
Products of petroleum and coal	+ 26.2	+ 73.7	+ 97.6	+ 20.7	+ 75.2	+ 91.3
Chemicals and allied products	- 32.6	- 6.0	+ 17.8	+ 24.9	+ 76.1	+ 59.3
Miscellaneous industries ⁵	—	—	—	+ 17.7	+ 67.7	+ 61.4

¹ Exclusive of fish processing.

² Newfoundland and "Publishing (only) of Periodicals" are excluded in columns 1, 2 and 3, but are included in columns 4, 5 and 6.

³ Exclusive of Newfoundland in columns 1, 2 and 3; inclusive of Newfoundland in columns 4, 5 and 6.

⁴ Exclusive of "Publishing (only) of Periodicals" in columns 1, 2 and 3.

⁵ Due to the changes of establishments from one industry to another figures for 1949 are not comparable with previous years.

Consumption of Manufactured Products.—One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1956 was \$23,014,011,922, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, wood and paper, non-ferrous metals, non-metallic minerals, textiles and animal products were, in that order, the leading groups in the value of finished products made available for consumption in 1956.

Animal, wood and paper and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textiles, chemicals and non-metallic mineral

products in spite of large home production. The expansion of the iron and steel, chemical and non-metallic mineral products industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the future.

Significant changes have taken place since 1939 in the type of manufactured products made available for consumption. In that year, the iron and its products group was in leading position and contributed 19.8 per cent of the total value of manufactured products. In 1956 this group was still in first place, but the percentage went up to 29.4. The wood and paper products, non-ferrous metals, non-metallic minerals and miscellaneous industries groups also increased their share of the total, while chemicals and allied products remained practically unchanged. The three mineral groups, combined, increased substantially their share of the total from 35.9 in 1939 to 50.2 in 1956. This indicates a higher standard of living for the Canadian people and also reflects the great expansion and diversification in manufacturing which has taken place since 1939. The industries producing consumer goods, on the other hand, suffered a relative decline. Vegetable products dropped from 19.6 to 12.9, animal products from 11.8 to 8.1 and textiles from 13.3 to 8.3. The following table gives the relative position of the major industrial groups in 1939 and 1956.

Manufactured Products Made Available for Consumption
(Percentage of the Total)

Group	1939	1956	Group	1939	1956
Vegetable products	19.6	12.9	Non-ferrous metal products	8.9	11.5
Animal products	11.8	8.1	Non-metallic mineral products	7.2	9.3
Textiles and textile products	13.3	8.3	Chemicals and allied products	5.3	5.1
Wood and paper products	11.6	12.2	Miscellaneous industries	2.5	3.2
Iron and its products	19.8	29.4	Total	100.0	100.0

TABLE 6. Consumption of Manufactured Products, 1928-55, and by Industrial Groups, 1956

Year and group	Value of products manufactured ¹	Manufactured and partly manufactured goods ²		Value of manufactured products available for consumption
		Value of net imports	Value of domestic exports	
		dollars		
1928	3,582,345,302	954,387,551	698,376,615	3,838,356,238
1929	3,883,446,116	939,130,201	686,876,071	4,135,700,246
1933	1,954,075,785	298,068,344	365,232,113	1,886,912,016
1939	3,474,783,528	542,364,930	646,853,938	3,370,294,520
1940	4,529,173,316	807,636,948	913,049,979	4,423,760,285
1941	6,076,308,124	1,123,994,913	1,292,855,603	5,907,447,434
1942	7,553,794,972	1,283,884,068	2,056,368,079	6,781,310,961
1943	8,732,860,999	1,305,838,746	2,444,862,298	7,593,837,447
1944	9,073,692,519	1,302,413,996	2,668,575,781	7,707,530,734
1945	8,250,368,866	1,117,544,874	2,352,441,796	7,015,471,944
1946	8,035,892,471	1,390,128,100	1,701,677,026	7,724,138,545
1947	10,081,026,580	1,928,250,119	2,124,740,343	9,884,536,356
1948	11,875,169,685	1,869,702,089	2,259,247,456	11,485,624,318
1949	12,479,593,300	2,043,583,929	2,017,055,615	12,506,121,614
1950	13,817,526,381	2,289,162,070	2,239,733,915	13,866,954,536
1951	16,392,187,132	3,034,709,829	2,749,091,256	16,677,805,705
1952	16,982,687,035	3,125,381,333	2,892,543,945	17,215,524,423
1953	17,785,416,854	3,519,418,503	2,781,269,785	18,523,565,572
1954	17,554,527,504	3,239,535,681	2,811,573,960	17,982,489,225
1955	19,513,933,811	3,781,212,944	3,143,126,437	20,152,020,318
Industrial groups, 1956³				
Vegetable products	2,861,852,540	313,486,623	215,256,488	2,960,082,675
Animal products	1,907,739,874	63,479,972	105,098,959	1,866,120,887
Textiles and textile products	1,598,529,035	325,042,464	21,030,548	1,902,540,951
Wood and paper products	4,044,274,969	211,399,363	1,447,697,494	2,807,976,838
Iron and its products	4,928,087,306	2,161,115,279	314,406,192	6,774,796,391
Non-ferrous metal products	2,952,350,337	438,698,501	737,267,814	2,653,781,022
Non-metallic mineral products	1,949,765,214	321,902,276	129,124,824	2,142,542,666
Chemicals and allied products	1,068,993,907	286,375,289	182,854,337	1,172,514,859
Miscellaneous industries	325,155,804	517,537,946	109,038,121	733,655,629
Totals	21,636,748,986	4,639,637,713	3,261,774,777	23,014,011,922

¹ For 1952 and subsequent years the figures are "selling value of factory shipments" instead of "value of products manufactured".

² Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years: for 1939-56 they are for the calendar year. Imports are total imports less foreign products re-exported.

³ Consumption figures for the major groups of the Standard Industrial Classification cannot be calculated as statistics of imports and exports are still compiled on the component material classification basis.

SECTION 2. VALUE AND VOLUME OF MANUFACTURED PRODUCTS

Value of Manufactured Products. — In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind. In recent years, due to violent changes in prices, unadjusted value series, used in isolation, have become increasingly inadequate as indicators of economic trends. Of necessity, interest has shifted to measures of volume. The range of prices since 1917, on the base period 1935-39 = 100, was as follows:

Year	General Wholesale	Fully or Chiefly Manufactured Products
1917	148.9	150.9
1920	203.2	208.2
1929	124.6	123.7
1933	87.4	93.3
1939	99.2	101.9
1949	198.3	199.2
1953	220.7	228.8
1956	225.6	231.5

Volume of Manufactured Products. — Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, and not whether they are expending more dollars and cents. The field of industrial production, because of its dominating position in the national economy, has attracted increasing attention. This, in turn, has resulted in the need for more accurate measurements of physical output.

During the past few years, the Business Statistics Section of the Bureau's Research and Development Division has been engaged in the reconstruction of the Index of Industrial Production. The project consisted mainly of establishing annual gross and net levels of production for each industry from census of industry data and of improving the reliability of the current monthly series. For a description of the methods used in constructing the indexes and a description of its scope, see D.B.S. Reference Paper No. 34 "Revised Index of Industrial Production, 1935-1951".

The construction of this index was made possible by the availability of a great deal of basic data. Annual statistics valuable for this project have been collected by the Bureau without interruption from the end of the first World War to the present, and the scope of the monthly information has been greatly expanded. Applying the methods developed through the experience of the last quarter century, it has been possible to compute an index with a fair measure of accuracy from 1935 to the present.

Prior to the end of the first World War, the movement of industrial production was regarded as following the output of a few factors such as pig iron. The introduction of the index number placed the information on a much wider base. It is safer to base one's impression of the current trend upon a comprehensive index embracing a wide range of economic factors than upon any limited group of components that necessarily fluctuate according to particular influences.

An index of this kind offers considerable advantage in analyzing social and economic problems. The greatest call for the index is for the interpretation of current economic conditions. It is particularly relevant in the study of business fluctuations. While the index is based on the sectors of the economy that are particularly sensitive to short term influences, it also reflects a large part of the variations in the total of all economic activity. The output of mines and factories plays a dominant part in economic fluctuations and is closely associated with transport and trade which are mainly concerned with the distribution of commodities. The barometric nature of the industrial sector enhances the value of the index as an indicator of short-term movements but its usefulness in the interpretation of long-term economic developments should not be overlooked.

The Canadian annual Census of Industry, from which final benchmark indexes are computed, covers practically all establishments, but excludes work in the home. In the matter of repairs, the census of manufactures generally excludes work performed in connection with a service trade such as boot and shoe and automobile repairs. However, the census covers repairs carried on essentially under industrial conditions, such as ship and locomotive repairs. Consequently only industrial-type repairs are included in the index.

The framework of the revised index is based on the new Standard Classification of Industries prepared by an inter-departmental working committee. The preceding system used by the Bureau of Statistics was of a three-fold nature based on (1) chief component material; (2) purpose and (3) origin. The first principle was used most extensively, the criteria of purpose and origin having been used for the presentation of supplementary series which played a secondary role in Bureau publications.

The main innovation introduced in the Standard Classification was the compromise between the different principles. In recent years, Canada's industrial system has undergone considerable development, from a country primarily concerned with the early stages in the processing of primary materials to one that is turning out more and more goods for final consumption. Consequently, in establishing the new classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. The purpose phase was regarded as most appropriate for the wide range of consumer goods such as clothing and foods and beverages.

The industries grouped under the component material phase of the classification from 1935 to 1948 were re-arranged to conform with the standard model. As most of the industries were not greatly affected by the change in classification they were transferred intact to the proper position in the new system. The standard classification, for the most part, provided for comparability at the industry level. It was applied to establishments for the first time in the 1949 census of manufactures. In a number of industries, where the change in classification seriously disturbed the continuity, establishments were re-combined for the whole period covered by the index. The manufacture of synthetic rubber, for example, was transferred from the rubber industry to "miscellaneous chemicals". Plants engaged in the production for distribution of manufactured gas were transferred from "coke and gas" to the gas and electricity division. The salt industry was adjusted so as to comprise only processing operations for inclusion in the manufacturing division of the index. Three minor industries which were re-classified to non-industrial groups were dropped from the computation.

The appropriate series in the manufacturing division were re-classified to obtain sub-indexes of economic significance. The movement of durable goods normally varies from that of non-durables. There tends to be greater fluctuation in durables from prosperity to depression, the demand for non-durables being more constant. The manufacturing division was therefore divided, at the major group level, as between durable manufactures and non-durable manufactures. Although these groupings are rather rough and ready, they are of great use in economic analysis. The classification into producers' and consumers' goods, attempted in some countries, involves more difficulty as many intermediate commodities have alternate uses, and was not attempted here.

Volume of Production, 1923-35. — The indexes of volume of production, 1923-1935 given in Table 7 below were constructed in the General Manufactures Section of the Industry and Merchandising Division for the years 1923 to 1946. On comparing the index for 1935 given in Table 7 which stood at 87.9 with the new index for 1935 at 86.5 given in Table 8, it would appear that for the back years little significant variation existed between the two series. The indexes in Table 7 may therefore be used in evaluating the changes in the volume of manufacturing production between 1923 and 1935.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would therefore be about 11 p.c. Exports of partly and fully manufactured goods increased from \$591,830,000 in the fiscal year ended Mar 31, 1924, to \$686,876,000 in the fiscal

year 1929-30, the increase in exports representing about 3.6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada. From a high of 101.4 in 1929 the volume of production declined to 67.6 in 1932 and climbed again to 87.9 in 1935.

TABLE 7. Indexes of the Volume of Manufacturing Production, According to the Component Material Classification, 1923-35
(1935-39=100)

Year	Vegetable	Animal	Textiles	Wood and paper	Iron	Non-ferrous metal	Non-metallic mineral	Chemicals	Miscellaneous	All Industries
1923	62.6	75.0	64.3	65.1	81.5	42.7	81.8	59.2	99.5	67.5
1924	67.8	80.4	62.1	64.0	68.6	46.4	78.9	60.5	95.0	66.3
1925	75.1	84.8	66.5	69.0	79.9	52.5	80.3	64.8	94.5	72.5
1926	80.2	92.2	75.8	78.1	102.6	58.6	89.6	70.5	104.4	82.5
1927	84.9	90.0	81.4	84.1	104.1	67.6	102.3	75.2	114.2	87.9
1928	93.5	92.9	87.0	92.5	117.1	75.3	116.3	82.7	110.5	95.8
1929	96.4	87.9	86.1	99.6	133.4	81.3	137.1	84.8	105.6	101.4
1930	91.6	85.3	80.0	92.1	108.6	76.8	122.9	74.9	87.8	91.9
1931	88.4	77.4	78.2	76.6	82.8	73.1	105.6	69.2	80.0	79.9
1932	74.1	76.7	74.6	68.0	53.5	58.9	75.1	66.0	75.8	67.6
1933	72.8	79.6	81.1	69.6	50.2	57.6	68.8	69.9	71.9	67.7
1934	82.4	86.5	89.5	81.5	67.6	70.8	82.5	79.3	85.2	79.6
1935	87.0	91.3	94.5	89.5	83.4	81.2	88.1	87.2	91.1	87.9

Volume of Production, 1935-1955.— The period covered by this report was characterized by unprecedented industrial expansion. Emerging from a depression practically world-wide in scope, industrial operations in this country entered a period of rapid growth which was maintained throughout the war and post-war years without important interruption.

A problem confronting business economists is to determine how much of the post-war industrial "drive" was due to normal growth factors and how much of it was caused by the backlog of war accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durables, non-durables such as textiles and clothing also started the post-war period with a sizeable backlog of unfilled demand. It is now becoming apparent, after the vigorous pace of business following the outbreak of hostilities in Korea, that a considerable portion of this demand has been satisfied and some industries, notably textiles, clothing, agricultural implements and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The high level of capital investment during the past few years which increased productive capacity, is beginning to be reflected in current production statistics. Huge expansion and development programmes are still under way in iron ore, aluminum and other metals, oil, chemicals, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should still exert some influence on the economic picture.

The volume of output of manufactures rose steeply after the outbreak of hostilities in 1939. Productive facilities

responded quickly to the urgent requirements of the armed forces. In the early days of the war, production assignments allotted were comparatively simple, but as the pre-war weapons became obsolete and as Canada proved herself capable of turning out larger and more complex equipment, the assignments constantly shifted, changed and grew more difficult. The production figures merely suggest the magnitude of the achievement. They cannot describe the tremendous effort needed to convert a semi-agricultural country into a wartime arsenal or the complications which arose because of shortages of manpower, tools and materials.

The productive peak was reached in 1944, when weapon supplies and equipment were rolling off the assembly lines at record-breaking pace. The end of hostilities and the subsequent reconversion to peace-time production were attended with declines in output in 1945 and 1946. The upward trend resumed, however, in 1947. The rate of advance slackened moderately in 1948 and 1949 but regained most of its 1947 impetus in 1950 when the renewal of hostilities in Korea resulted in heavy anticipatory buying on the part of consumers and in growing expenditures for national defence. A remarkable feature is that in 1952, the index of the volume of manufacturing production which stood at 246.3 had surpassed the wartime level of 242.3 established in 1944. The index continued to advance in 1953, reaching a record high of 263.0. In 1954 there was a minor recession and the index dropped to 251.4. With the upturn in economic activity which occurred in 1955 and 1956 the index rose again to an all-time high of 287.0, exceeding the previous high of 1953 by 8.7 p.c.

TABLE 8. Indexes of the Total Volume of Manufacturing Production, Classified on the Basis of Durable and Non-Durable Goods, 1935-1956
(1935=100)

Year	All manufactures	Non-durable manufactures	Durable manufactures
1935.....	86.5	89.0	82.7
1936.....	95.5	97.1	93.1
1937.....	109.3	106.7	113.2
1938.....	100.6	98.9	103.2
1939.....	108.1	108.2	107.9
1940.....	134.4	124.6	149.7
1941.....	175.9	148.7	218.5
1942.....	215.7	169.4	288.1
1943.....	234.5	171.5	333.0
1944.....	242.3	179.8	340.1
1945.....	209.8	176.3	262.1
1946.....	189.9	180.2	205.1
1947.....	207.7	191.2	233.5
1948.....	215.5	197.1	244.4
1949.....	217.0	198.2	246.3
1950.....	228.1	208.3	259.1
1951.....	242.1	214.0	285.9
1952.....	246.3	215.2	294.9
1953.....	263.0	224.1	323.9
1954.....	251.4	221.7	297.7
1955.....	270.1	235.2	324.8
1956.....	285.9	245.6	348.9

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly smoother than in the durable sector. Except for three years, 1938, 1945 and 1954, there has been no interruption in the upward movement of production during the period under review. Despite the fact that war contracts quickened the pace of output in some of the industries, production continued to expand after the war, although at a slower rate. Unlike durable goods, non-durable commodities are mostly consumers' goods and are less influenced by sudden changes in the international situation or the capital investment programmes of producers and governments. By 1956 the non-durables index of output had reached 245.6, the highest on record.

The production of processed foods and beverages rose without pause throughout the period. A characteristic of most manufactured foods industries is the high ratio of the value of materials consumed to the value of products, indicating a relatively low degree of fabrication per unit of output. The advance in the production of beverages was practically uninterrupted from 1935 to the present. In 1956, the volume of output was more than 3 times what it was in the base period. The largest increases were recorded in the aerated waters and brewing industries. The indexes of these industries attained levels approaching 425 and 387 in 1956: Wine production, after reaching a peak in 1947, dropped 36 per cent in the following three years. Some recovery was recorded during the next few years and in 1956 the output of new wine was 90 p.c. of the 1947 peak. Output of liquor climbed steadily until 1946 when the index reached 209. During the next four years, the volume of production fluctuated within narrow limits and in 1952 advanced sharply to an index level of 260, with a further rise to 290 in 1953. After declining moderately in 1954 the index rose again to 336 in 1956.

The great demand for cigarettes for members of the armed forces during the war contributed largely to the considerable increase in the tobacco products index which reached the record level of 230 in 1945. The index dropped to 204 the following year, but rose gradually thereafter to 228 in 1950. Weakening demand led to a decline of 7 per cent in 1951. Rapid recovery was made during the next four years with the index rising to 25.5 in 1956, highest on record.

The contribution of the "Rubber Products" industry to the war effort was mainly in the form of tires and tubes for military vehicles and aircraft. Production of passenger car tires and tubes was sharply curtailed as was the output of rubber footwear. After marked increases in 1940 and 1941, the index remained more or less stationary at around 150 until 1945 when civilian production was resumed and the index jumped to 180. The industry-wide strike in 1946 contributed to a decline in that year, but record-breaking demand for the industry's output led to sharp advances in the following years, and in 1951 the index had reached the maximum level of 264. During the next few years the index fluctuated moderately and in 1956 climbed to 318.

Output of leather products rose steadily until 1946 when the index reached a high point of 168. The subsequent easing of foreign demand for the industry's products contributed to the gradual decline of production in the post-war period with the result that this group has shown the smallest growth of any in the manufacturing sector. In 1956, volume of output was only 48 per cent greater than in the base period. Production of leather tanneries in 1954 was actually 4.0 p.c. lower than in 1935-39, while the output of boots and shoes was 48 per cent higher. Some recovery was made in 1955 and 1956, the output of tanneries increasing 14 p.c. and footwear 69 p.c. over the base period. Since 1946 the overall index of this group dropped 12 p.c.

The textile (ex. clothing) industries reached their maximum wartime level of output in 1942 when the net index stood at 187. Production then fell off gradually until 1946 but recovered sharply in the post-war period to an index level of 212 in 1950. A slackening of demand for textiles during the next few years saw the index drop to 188 in 1953, with another sharp drop to 161 in 1954. Of all the industries of the non-durable goods sector, textiles were the hardest hit by the downturn in manufacturing activity in 1954. In 1955 there was substantial recovery and the index which rose to 185 was still, however, some 13 p.c. below the 1950 high. In 1956 there was another minor decline of 1.6 p.c. The movement of individual industries within the group has varied over the period. After reaching its highest level in 1942 the production of cotton goods declined steadily until 1947. After varying but fractionally in 1948 and

1949, output jumped 16 per cent in 1950, and remained practically unchanged in 1951, the recession in the last six months of the year just about offsetting the gains recorded in the first half. With continuing adverse conditions, the index dropped to a post-war low of 115 in 1954. The recovery made in 1955 and 1956 brought the index up to 134, still some 28 p.c. below the record of 187 attained in 1942.

Since 1938, the production index for **synthetic textiles** showed an unbroken record of increases and in 1951 stood at 393. The adverse conditions prevailing in the textile industry generally during the past few years also affected the output of synthetic textiles. By 1954 the index dropped to 290 with an increase to 331 in 1955 and a decline to 308 in 1956. Much of the credit for increasing consumer acceptance of synthetics belongs to the achievements of research in improving manufacturing and dyeing techniques and in the development of new combinations of various fibres with a new range of qualities and practical applications.

Synthetic fibres are now being used in the fabrication of a host of commodities such as suitings, overcoatings, blankets, carpets, draperies, upholstery products, tire fabrics, etc., in addition to hosiery, dress fabrics and other women's wear. Moreover, Canadian producers are now supplying the bulk of domestic synthetic raw material requirements which were formerly imported from the United States. As a result, new investment outlays by the industry have increased considerably in the post-war period.

The trend in the physical output of clothing was similar to that of other textiles, the production index reaching a peak of 162 in 1942, then declining gradually until 1945. Since then output fluctuated within narrow limits, dropping to a post-war low of 150 in 1951 and a high of 167 in 1953. The general decline in production in 1954 saw the index drop to 145. The recovery in 1955 was only moderate, the index rising to 149 with a further rise to 156 in 1956. The industry is now facing keen competition and a more selective retail demand. By improving manufacturing methods and styling, the industry hopes to make available more desirable merchandise at lower prices. Weak demand contributed to a marked decline in the level of new investment in durable physical assets. Funds expended for new plant, machinery and equipment dropped from \$15.7 million in 1949 to an average of \$13.0 million during the next four years. From 1954 to 1956 investment dropped to \$9.4 million per annum.

Production of **paper products** advanced sharply in the post-war period. The level of the index remained relatively steady from 1941 to 1944, but increased 54 per cent in the succeeding seven years to a record figure of 248. In 1952 the index dropped to 236 and increased to 268 in 1955. Activity in this sector of manufacturing is influenced mainly by the "**Pulp and Paper**" industry, which, in terms of value added, is the most important single manufacturing industry. In the last few years, the net value contributed by pulp and paper mills was almost twice that of any other industry. The growth of this industry during the period under review was characterized by two distinct phases. From 1935 to the end of the war, new investment by the industry was designed mainly to replace worn-out machinery and equipment and increases in output were principally the result of utilizing idle capacity after the depression of the thirties. Since 1945, however, with strong world demand for wood pulp and newsprint, together with the availability of necessary materials for expansion, the construction of new plant and the installation of new machinery and equipment reached record proportions. Investment in new plant and equipment, which averaged \$105 million during the previous three years, dropped to an average of \$70.0 million in 1954 and 1955, a decrease of \$46 million from the record high reported in 1952. In 1956 capital investment reached the unprecedented total of \$134 million.

Newsprint, pulp and paper board are the leading products of the pulp and paper industry. Production of newsprint in 1956 totalled 6,445,110 tons of which 5,967,194 tons were exported.

Canada is thus the leading exporter of newsprint in the world. World exports of newsprint in 1954 are estimated at 6,788,000 tons, with Canada accounting for 81.3 p.c. of the total. Finland, Sweden and Norway, in the order named, are other substantial exporters of newsprint and between them have accounted for 10.5 p.c. of the total. Newsprint is also Canada's leading export and 1956 was valued at \$708,384,822.

The **printing and publishing** industries expanded very little during the war years. In 1944, output was only about 15 per cent greater than in the base period. Production grew rapidly after the end of hostilities and in 1956, volume of output was more than double what it was in the five pre-war years, although this represents a substantially smaller advance than total manufacturing. The post-war increase coincided with the gain in the value of new investment which was mainly in the form of machinery and equipment to make up for deficiencies dating back to the depressed thirties and the war years. Investment in fixed assets totalled \$16 million in 1953 and \$27 million per annum in 1954 to 1956 as compared with only about \$2 million in 1944.

With few interruptions, output of **petroleum and coal products** rose steadily over the period under review to an index of 442 in 1956. Although production of **coke** failed to exceed its record wartime volume, **petroleum refining**, as the result of record-breaking post-war demand for gasoline and fuel oils, showed a marked expansion. In 1956, the production index stood at 552 compared with a wartime high of 170 in 1944. In recent years, the industry has added substantially to its refining capacity. From 1947 to 1951, expenditures for new plant, machinery and equipment which averaged more than \$37 million a year rose to \$84 million during 1952, 1953 and 1954 and to \$107 million in 1955 and 1956. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1956, oil from domestic wells represented 54 per cent of the total consumed by Canadian refineries. This compared with a contribution of 22 per cent in 1949.

Output of **chemical products** which include ammunition and explosives reached a record-high level in 1944 when the index stood at 390. Production in the post-war period has been at a considerably lower level, but increased significantly since 1950, with the advent of the defence programme. The index in 1956 stood at 301. The expansion of the industry during the war made possible the manufacture of many products which were formerly imported. In addition, several entirely new products, such as synthetic rubber, were introduced. Demand for these commodities continued in the post-war period and the development of new sources of basic materials, together with the progress of research into additional commercial uses for these new compounds resulted in further expansion of production for civilian use.

The rapid wartime advance was mainly the result of the enlargement of the munition programme with the government and private industry combining forces in the construction of huge explosives and ammunition-filling industry. At its peak in 1943, the production index for **explosives and ammunition** was 20 times higher than in the base period. Output dropped very rapidly after the end of the war and in 1946 the index was down to 107.

Since the Government-owned Polymer Corporation began producing **synthetic rubber** in 1943, output of this important commodity has expanded considerably, to a total of 135,900 tons in 1956. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels since 1950, as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1956, synthetic rubber accounted for 45 per cent of total new rubber consumed in Canada. This commodity is classified to the "**Miscellaneous Chemicals**" industry.

TABLE 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-1956

(1935-39 = 100)

Year	Non-durable manufactures										
	Foods	Beverages	Tobacco and tobacco products	Rubber products	Leather products	Textile products (except clothing)	Clothing (textile and fur)	Paper products	Printing publishing and allied trades	Products of petroleum and coal	Chemicals and allied products
1935	88.8	78.8	80.7	87.9	95.9	91.1	91.8	90.0	93.9	87.6	85.7
1936	97.7	93.2	88.9	96.2	96.3	101.7	97.0	98.9	99.5	95.7	92.1
1937	101.6	109.5	101.2	112.3	105.7	110.2	104.8	114.0	105.6	104.6	107.4
1938	102.5	107.2	110.9	97.0	93.3	88.8	98.4	91.7	98.9	102.7	103.5
1939	109.4	111.5	118.2	106.0	108.7	108.2	108.0	105.4	102.2	109.4	111.3
1940	119.4	131.0	126.6	116.5	116.1	147.6	125.5	126.6	102.1	125.9	136.2
1941	139.1	151.9	140.9	154.4	141.1	167.5	141.8	143.7	113.4	141.1	210.9
1942	144.3	174.5	171.5	150.6	150.0	186.8	161.9	143.4	114.4	138.2	345.8
1943	156.0	162.0	183.8	147.0	151.1	172.1	156.7	140.0	111.7	150.0	369.3
1944	171.1	190.5	200.6	149.0	149.6	162.0	147.1	149.1	114.9	171.8	390.4
1945	170.0	205.1	230.2	180.2	155.0	160.5	145.6	161.2	125.8	167.5	292.8
1946	177.2	234.4	204.4	158.0	167.9	161.7	152.9	188.9	143.8	167.4	237.7
1947	181.5	249.4	211.9	230.7	148.7	172.9	147.7	207.4	163.3	181.2	245.5
1948	183.0	270.9	215.8	227.6	129.6	180.2	156.0	217.7	177.2	199.0	243.2
1949	180.3	285.7	224.4	208.5	133.5	186.0	159.4	213.7	183.8	218.0	239.5
1950	183.6	282.9	227.5	251.9	126.8	212.4	155.7	230.4	195.3	243.5	253.7
1951	186.7	297.7	212.2	264.3	117.0	208.6	149.7	247.8	194.7	274.9	267.8
1952	195.5	323.6	242.3	246.4	128.0	184.1	154.4	235.5	192.4	295.1	272.4
1953	194.0	336.6	269.6	264.2	135.7	187.6	167.3	244.7	204.8	324.3	284.4
1954	198.1	328.6	279.3	252.6	128.6	161.0	145.4	254.4	214.8	336.9	285.0
1955	203.0	358.3	303.3	296.3	136.7	185.3	149.0	267.7	219.5	385.4	291.8
1956	205.3	376.5	325.5	318.5	147.9	182.4	156.0	279.7	236.9	442.2	300.7

Durable Manufactures

The tremendous increase in physical output during the war years was mostly concentrated in the durable goods sector. When war was declared in September, 1939, there were virtually no armament works, no production of large ships and large planes, no guns, no tanks. Within a few years Canadian plants were turning out naval and merchant ships, warplanes ranging up to the 15-ton Lancaster bomber, military vehicles, millions of rounds of ammunition and hundreds of other war items. On the base of 1935-39 the new volume index of durable manufactures reached a peak of 340 in 1944. In the following two years it declined sharply and stood at 205 in 1946. Since then it has regained the lost ground, reaching 349 in 1956, 2.6 p.c. above the war-time peak of 340.

The largest gain occurred in the output of transportation equipment. Due principally to the tremendous increases in production of ships and aircraft, the index for this group of industries rose to the record level of 694 in 1944, the year of maximum war production. After reaching a post-war low of 222 in 1946, the index rose moderately during the next three years, but, spurred by the great demand for passenger cars and by the renewal of defence production, marked gains were made since 1950, with the index climbing to 436 in 1953. The minor recession in industrial production in 1954 affected this group more than any other. The index dropped to 355, a decline of 18.7 p.c. as compared with the previous year. In 1955 there was another minor decline with the index dropping to 351. This was the only group to report a lower volume output in 1955. In 1956 the index recovered to 372.

The iron and steel group of industries was also considerably affected by war requirements. As most of the industries in this sector were more firmly established in the pre-war period, they did not expand relatively to the same extent as shipbuilding and aircraft. When European supplies were cut off early in the war, the Canadian basic steel industry had to rely on the United States for a greater supply and had to increase its own steel-making capacity to meet abnormal wartime re-

quirements. However, development of the industry did not halt with end of hostilities. Canada's industrialization programme, together with strong post-war demand for consumers' durable goods, led to steady expansion of the industry so that by 1953, the index for the group stood at 291. Compared with pre-war, pig iron output had more than tripled, and steel ingot and casting production had risen by 170 and 74 per cent respectively. Due to the contraction in the demand for durable goods in 1954 the index for the group dropped to 252, down to about the 1947 level. Pig iron at 2,211,000 tons was down 27 p.c. and steel ingots at 3,195,000 were 22 p.c. lower. However, rapid recovery was made in 1955 and 1956 when the index rose to 328, only 9 p.c. below the record high of 362 attained in 1943. Production of pig iron in 1956 totalled 3,568,000 tons and steel ingots and castings 5,301,000 tons. The additional capacity constructed during the past few years should reduce still further the country's dependence on United States imports of finished and semi-finished iron and steel shapes. Indicative of the rapid growth of the industry in recent years is the amount of funds expended for new plant, machinery and equipment. From an average annual expenditure of \$62 million during the previous five years new investment jumped to \$136 million in 1952 and \$114 million in 1953. New investment in 1954 and 1955 averaged \$92 million and in 1956 reached the record total of \$159 million.

To meet the need for electrical and radar equipment and signalling devices, the "Electrical Apparatus and Supplies" industry manufactured articles during the war which were previously not made in Canada. Output of civilian radio receiving sets and appliances was severely curtailed as the industry converted the major part of its productive capacity to the manufacture of war instruments. The production index reached a wartime peak of 312 in 1944 and declined during the next two years. The industry recovered rapidly, however, as a result of accumulated demand for radios, consumers' appliances and heavy electrical equipment, and by 1952 the index had jumped 60 per cent from its 1946 post-war low, to a level of 393. Due mainly to the heavy demand for television sets, the index in

1953 advanced sharply to 487 an increase of 24 per cent over the previous year. In 1954 the index declined moderately to 478, but rose sharply in 1955 to an all-time high of 535, with a further rise to 550 in 1956.

Production in the non-ferrous metals group of industries reached a wartime maximum in 1943 when the net index stood at 285. During the next three years, output dropped 44 per cent, but recovered steadily thereafter, backed by sustained demand for base metals. In 1956 the index stood at 286. Aluminum which is an important component of the group is being fabricated into an ever-increasing variety of commodities, and production of aluminum bars and rods, sheets, shapes, etc., reached record proportions in the post-war period. During the war years, aluminum sheet production was of a strong alloy type used principally in aircraft construction and required more fabrication than the regular type of sheet used in the production of cooking utensils and other civilian items.

Military requirements did not affect the nature of output in the non-metallic mineral products group of industries. In war or peace, the bulk of production consists of construction materials such as cement, cement products, building brick, lime and gypsum products, glass, stone products, etc. During the war, under government control, a major proportion of these industries' products were channelled into construction of new war production plants, extensions to pre-war plants, housing for war workers and the building of training and operation facilities for the armed services. No serious reconversion problems were encountered by the non-metal industries immediately following the war. After a slight pause, following the peak of wartime

output, plants turned their productive capacity towards meeting the unprecedented demands of the post-war construction boom. From a wartime maximum of 212 in 1943, the volume index dropped moderately in 1944 and 1945, but rose steeply in succeeding years to reach the record level of 526 in 1956.

In the durables sector, the wood-using industries were the least affected by the war. The volume of output of wood products expanded steadily without any serious interruption throughout the war and post-war years. In 1953 the index stood at 235, the highest on record. In 1954 the index declined fractionally to 230, but advanced sharply the following two years to an all-time high of 257 in 1956. The two most important industries are "Sawmills" and "Furniture". The index representing the former, after reaching a wartime maximum of 140 in 1942, declined considerably in 1943, and hovered around 124 during the next two years. Beginning in 1946, output rose sharply, spurred by strong foreign and domestic demand for sawn lumber and by 1951, the index had advanced to 168, but declined to 164 in 1952. Considerable improvement took place since then with the index advancing to 199 in 1955. Exports of planks and boards, shingles and veneer and plywood were considerably lower in 1956. This is reflected in the moderate decline of the index to 193. Production in the furniture industry expanded throughout the period under review. The great increase in residential construction in the post-war period, together with the marked gain in new family formations created a boom for producers of house furnishings. Output of furniture jumped sharply in the three years immediately following the end of the war and rose more gradually during the subsequent period.

TABLE 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-1956

(1935-39 = 100)

Year	Durable manufactures					
	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
1935	85.3	80.5	90.0	78.5	83.8	75.7
1936	95.8	93.0	93.5	91.5	91.2	91.7
1937	108.0	118.1	114.3	106.5	118.7	117.4
1938	102.2	100.7	101.0	109.3	102.4	105.5
1939	108.8	107.7	101.3	114.3	103.8	109.8
1940	132.1	162.3	165.1	138.0	152.9	138.4
1941	150.2	238.0	291.8	193.5	225.8	184.9
1942	156.0	315.9	439.9	255.3	273.5	209.8
1943	148.4	362.4	562.8	284.9	310.5	211.6
1944	153.4	326.2	693.7	256.2	312.1	205.3
1945	155.6	265.2	453.7	193.4	258.1	195.9
1946	175.0	222.6	221.5	160.1	247.3	221.4
1947	195.6	249.9	239.5	182.8	316.8	269.8
1948	200.7	270.4	232.6	201.6	328.5	283.7
1949	202.3	264.5	243.9	200.5	333.8	284.4
1950	215.1	263.2	262.2	212.8	367.6	314.6
1951	220.6	292.2	315.0	234.7	392.3	342.1
1952	214.1	292.7	373.1	232.2	393.1	346.1
1953	235.3	290.8	436.3	243.3	486.7	399.0
1954	230.3	251.8	354.9	246.7	477.8	409.5
1955	255.1	287.3	350.7	270.9	535.2	471.5
1956	256.5	327.8	371.9	285.7	550.3	525.9

SECTION 3. PRODUCTION BY INDUSTRIAL GROUPS AND INDIVIDUAL INDUSTRIES

Subsection 1. Manufactures Grouped on the Standard Classification Basis

Three important changes have been made during the past few years in the methods of collecting and compiling the returns of the annual survey of manufactures. First was the adoption in 1949 of the Standard Industrial Classification. This new classification superseded the classification formerly used by the Bureau, which was based on the nature of the materials used by manufacturing establishments.

For most purposes, a classification of manufacturing industries based upon "chief component material" has in the past proved most useful in Canadian industrial classification. The Bureau's classification based on this concept has been the one most widely adopted for general purposes, such as the decennial census, foreign trade, industrial statistics, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of such a group as "Textile Products" comprised partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, which form final products such as pig iron, lumber or processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however turning out more and more goods for final consumption, the combination of ingredients in such production becomes more and more complex. The modern automotive, aircraft, shipbuilding and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the compilation of the final product. For this reason, the application of the component material classification became increasingly more difficult as Canadian manufacturing production developed and diversified.

In establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries, the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established. Some industries were broken down, such as the electrical apparatus and supplies which now comprises five industries—(a) batteries, (b) heavy electrical machinery, (c) radios, television sets and parts, (d) refrigerators, vacuum cleaners and appliances, and (e) miscellaneous electrical products. In some cases, establishments were transferred from one industry to another in order to bring them in line with the new industries which were established. Where an industry was eliminated, the establishments were transferred to one or several industries, depending on the nature of the principal products manufactured. A check was also made of all establishments and many transfers were made where the major products of the establishment had changed materially during the years. By and large, little change was required for most industries, the only change being a transfer to the new major groups which were established.

In the Standard Classification adopted in 1949 the industries are now grouped into seventeen major groups listed in Table 11, instead of the nine groups listed in Table 13 which were formerly used as the main basis of classification. The grouping used in Table 11, where the statistics of individual industries are presented in detail, and in the historical series shown in Table 3 is, therefore, on the basis of the new Standard Industrial Classification. However, to retain some basis of continuity with the past, there is a less detailed analysis given in Table 13 on the component material classification basis, while Table 14 gives the industries on the basis of the origin of the materials used.

The second major change was the adoption of the short form in 1949, which goes a long way in relieving small manufacturers from the irksome duty of filling in complicated and detailed returns to the Bureau.

The growing complexity of modern economic life compels governments to obtain more and more data on which to base their economic policies and for the efficient discharge of their responsibilities in the ever-widening field of activity. To get this information is expensive and also throws a burden on industry in general, which of necessity must be called upon to furnish the desired data. Realizing this, and also the fact that the necessary information must be secured, the Bureau has been casting about for new statistical techniques which would lessen the burden on industry and also would, at the same time, secure substantially correct data for the use of the administrator. With manufacturing statistics, unfortunately, the sampling techniques are difficult to apply. Other methods, therefore, had to be adopted in order to lessen the burden of the smaller manufacturer at least and, at the same time, secure substantially correct results. It was found, for example, that in 1949 out of 35,792 manufacturing establishments, 21,060 with a value of production of \$50,000 or less, contributed only 2.6 p.c. of the total value of production. On the surface it looked obvious that the Bureau could exempt these 21,000 establishments from making annual returns and still obtain satisfactory results. This would be true if we were only interested in the total value of production or the total value of materials used. This, however, is not the case, as the users of the statistics are also interested in the details of the products made and the materials used. By a study of each industry it was found that by exempting the smaller establishments in some industries, that for some commodities produced or materials used there would be a 50 p.c. loss of the total. Complete exemption was therefore out of the question. New methods had to be designed to relieve small establishments of the difficult task in furnishing information. A study was therefore made of each industry classification, of which there are about 200, and different cut-off points were determined for different industries. The general rule adopted was that wherever possible establishments with a value of production of less than \$50,000 per annum should only be required to furnish that one figure to the Bureau, and that on the basis of the information received from the smaller establishments in 1948, the last year for which they were required to furnish complete details, the Bureau would estimate for each small establishment individually the number of employees, salaries and wages paid, as well as the value of materials used. This is done in order to have a hollerith card for each establishment to use in the compilations on a geographical basis. In addition to the principal statistics, details of materials used and products made by the short-form firms are also made for each industry, by province. These estimates are based on the detailed statistics supplied by the small establishments in 1948. These estimates cannot be far out, as in most industries the percentage that these smaller establishments contribute to the total for the industry is only from 10 to 20 p.c. Where it was found that there would be a great loss in commodity data, instead of asking only for the gross value of production, the smaller firms were required to fill in a shorter form which lists the commodities in which there would be a substantial loss if no information was obtained from small firms. In other cases the cut-off point was reduced to \$25,000 or \$15,000.

An important change was made in the annual census of manufactures for 1952. A shipments concept instead of the value of production statistics heretofore compiled was adopted for a large number of industries where it was known that inventory changes from year to year were only of a minor nature. The concept was not changed for industries known to experience wide fluctuations in inventory holdings, pending further study for the need of both production and shipments information. By 1954 the shipments concept was implemented for almost all industries. Industries for which production statistics are still

required are asked to report the detail of products made in physical quantities only and at the same time are required to report details of their shipments, giving both the quantity as well as the selling values at the plant. In a few industries such as sawmills, veneer and plywood, etc., production statistics only are still collected, the products made being valued on the basis of average selling prices during the current year.

The aim of the new Census of Industry schedule is to ease the burden of filling out Bureau questionnaires. The value of shipments concept for small and medium sized establishments is more realistic and more readily obtainable from the accounting records of firms, whereas the value of products made, for firms not recording such information, must be derived from special calculations. The value of shipments provides a standard basis of reporting for all establishments. Under the old system some establishments reported the value of products made and others the value of factory shipments, even though the schedule required products made to be reported. This was especially true for small and medium sized establishments. Further, a great number of firms, attempting to report production values to fulfil the requirements of the old questionnaire, in fact computed their cost of production rather than their selling value, as they were supposed to. Since the value of shipments is usually carried in the firm's accounts, the work of filling out reports should be lessened and the questionnaire should as a result be filled out more promptly. The change should ease the burden for small establishments in particular, since the value of sales is readily available from their accounting records.

Under the "value of products" concept, establishments were required to report the factory selling value of the products made, whether sold or not, the unsold portion being assigned the average selling value of similar articles sold during the year. Where no selling values were available for the unsold portion estimated values had to be assigned. Under the new concept establishments are required to report their sales during the year, regardless of when the products were made.

These two concepts give different results, the first gives the value of products made and the second the value of products sold. For a large number of industries where normally there is no significant changes in the opening and closing inventories of finished products, these two sets of figures may be used interchangeably as they both reveal more or less the value of production and are, therefore, comparable with figures for previous years. There are, however, a number of large key industries with substantial changes in their opening and closing inventories. In such industries the new concept gives quite different results to that obtained formerly. To get comparable figures, the shipments figures must be converted to a production basis by adjusting for inventory change.

The change to the new concept solved the problem of uniformity of reporting inasmuch as the smaller firms who previously were reporting shipments instead of production are now reporting correctly. However, the new method has created other problems. One of these is the calculation of "value added by manufacture," which is obtained by subtracting from the value of production the cost of materials used, including the cost of fuel and electricity. Since the value of production is not now being reported, it has to be calculated by using the following formula.

"Shipments plus closing inventory of finished products and goods in process minus the opening inventory of finished products and goods in process equals value of products made." In order to enable the Bureau to calculate "value added," it became necessary to ask firms to report their opening and closing inventories, broken down into (a) raw materials, (b) goods in process, and (c) finished products. These questions were added to the form for the 1954 census. As the schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added by manufacture is obtained by subtracting from the shipments the cost of materials used, including fuel and electricity.

In theory, adjustment should also be made for the change in work in process inventory, and ideally the inventory adjustment should be on a "value of the physical change" basis rather than the "change in book value." However, it has not been possible to introduce these refinements at the present time.

Another difficulty has arisen in implementing the shipments concept in the case of multiple unit firms that ship the products from the various plants to a central warehouse, located in another city, where the selling function of the firm is performed. In such cases the goods leaving the plant are considered as being shipments under our definition even though the ownership still remains with the reporting firm. Such firms are considered as performing two distinct functions—(a) manufacturing, and (b) distributing—and these two functions are treated statistically as if they were performed by two different organizations. In many cases no stock is held at the plant; consequently shipments and production reported on a plant basis are one and the same. We therefore are still getting production figures from firms that sell from a central warehouse. Where the manufactured products are billed to the warehouse, the firm is required to report the total of such billings during the year. In some cases the production and distribution functions are treated in the accounting records as a unified operation, no charge being made to the warehouse of the products shipped. In such cases firms are instructed, if possible, to report the shipments on a cost of production basis, with a percentage mark-up for profits. The aim of the Division is to get companies to report their shipments on the same basis as if they were selling to an independent wholesaler.

Having received a return from all manufacturing establishments and the value of their products totaled, the question now is "What does this total mean?" The truth of the matter is that a total value of production for a group of industries or all industries for a single year has no significant meaning. To add the value of production of flour mills to that of the baking industry would give an inflated value of production since part of the flour which was sold to bakeries is valued twice, first as a product of flour mills and again in the cost of bread. For example, if a flour mill would produce \$1.00 worth of flour and sell it to a baker, the baker would use this dollar's worth of flour, and after further processing would sell it for \$2.14 according to the experience of the baking industry for 1954. According to the statistics obtained for that year for every dollar's worth of materials used the products made were valued at \$2.14. When you add the production of these two establishments, you get a value of \$3.14. There is thus duplication where the products of one establishment become the raw materials of another establishment. However, in the present issue, the totals of gross value of production or shipments are shown as a matter of historical interest.

A more meaningful indicator had to be evolved to measure the importance and wealth created by an industry or group of industries. This was found in the concept "value added by manufacture." This figure is obtained by subtracting the cost of fuel and electricity as well as the cost of materials used from the gross value of the products, and represents the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication, within the manufacturing sector value added figures are therefore more representative of the total value of manufacturing production than the gross value of production figures.

The concept of "net value" is also important in evaluating the importance of an industry as a creator of economic wealth. Usually the gross value of production is used in ranking industries. This method has the defect of overevaluating industries that use expensive raw materials which undergo little processing. The following table ranks the fifteen leading industries in 1954 on the basis of "gross" and "net" value of production.

	Selling value of factory shipments		Value added by manufacture	
	Amount	Rank	Amount	Rank
	\$'000,000		\$'000,000	
Pulp and paper	1,241.6	1	641.1	1
Non-ferrous metal smelting and refining	922.6	2	352.0	2
Petroleum products	909.3	3	309.8	3
Slaughtering and meat packing	837.5	4	157.7	9
Motor vehicles.....	666.3	5	176.5	8
Sawmills.....	572.2	6	263.6	4
Butter and cheese.....	412.2	7	99.4	24
Primary iron and steel	383.2	8	217.5	5
Aircraft and parts	343.0	9	181.4	7
Miscellaneous food preparations	306.5	10	90.4	27
Railway rolling stock.....	283.4	11	116.7	18
Bread and other bakery products	280.2	12	139.9	14
Miscellaneous electrical apparatus and supplies	267.6	13	145.6	13
Rubber goods (including footwear).....	264.2	14	149.0	10
Printing and publishing	256.7	15	182.9	6

In interpreting the statistics of individual industries, it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry, amounting to \$104,853,748 in 1950, does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product is confectionery had a value of production of \$104,853,748. This figure, in addition to confectionery, includes all the subsidiary products made by these firms such as ice cream which was valued at \$2,214,689 and bread and other bakery products valued at \$2,457,312. Confectionery is also

produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to "The Alphabetical List of Products" published annually as Appendix II to this report.

Table 11 presents for the year 1956 detailed statistics regarding the individual industries under which all industrial plants in Canada are classified. The industries are further assembled under seventeen main groups according to the Standard Industrial Classification.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956

No.	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
Province								
1	Newfoundland	783	1,863	323	6,672,542	7,226	1,090	23,790,193
2	Prince Edward Island	192	338	96	981,372	926	415	2,252,032
3	Nova Scotia	1,402	3,780	1,161	16,142,859	22,471	3,525	67,805,651
4	New Brunswick	1,004	2,668	853	11,800,042	16,019	3,020	49,263,259
5	Quebec	12,112	68,315	26,101	391,023,668	257,492	94,229	1,005,390,896
6	Ontario	13,215	107,822	45,674	677,353,765	391,301	96,393	1,633,280,631
7	Manitoba	1,534	6,549	2,449	34,167,889	26,191	7,632	99,338,082
8	Saskatchewan	798	2,255	863	10,471,197	7,425	993	26,212,186
9	Alberta	1,971	6,804	2,150	32,877,638	24,192	3,646	87,317,467
10	British Columbia	4,393	15,864	5,323	90,360,706	77,982	9,426	303,508,682
11	Yukon and Northwest Territories	24	37	9	174,307	111	18	507,126
12	Canada	37,428	216,295	85,002	1,272,025,985	831,336	220,387	3,298,666,205
Industrial group								
13	Foods and beverages	8,023	26,392	10,986	139,119,490	108,121	37,509	392,514,769
14	Tobacco and tobacco products	51	810	416	6,073,932	3,208	5,179	24,234,923
15	Rubber products	91	3,897	1,628	23,377,147	13,800	3,811	58,777,742
16	Leather products	646	2,790	1,304	16,141,474	15,251	12,039	58,828,560
17	Textiles	965	8,886	4,357	55,745,640	36,380	21,250	143,581,870
18	Knitting mills	286	1,307	1,113	9,547,682	6,081	13,412	40,090,275
19	Clothing	2,525	7,222	4,481	48,393,341	21,594	56,502	159,822,870
20	Wood products	11,103	20,716	3,723	76,737,258	105,332	5,812	299,612,009
21	Paper products	568	12,239	4,797	89,885,982	68,176	8,493	297,000,524
22	Printing, publishing and allied industries	4,585	18,344	11,259	104,899,546	34,065	8,693	149,472,579
23	Iron and steel products	2,963	31,997	11,002	193,355,215	146,856	7,063	573,020,872
24	Transportation equipment	591	24,604	6,764	148,815,335	106,154	3,735	404,756,491
25	Non-ferrous metal products	581	8,840	3,201	55,832,556	41,080	2,950	164,537,184
26	Electrical apparatus and supplies	473	19,291	7,277	117,326,294	39,918	16,810	193,196,506
27	Non-metallic mineral products	1,183	5,710	1,696	31,417,495	30,790	1,969	111,805,668
28	Products of petroleum and coal	107	4,895	1,491	33,318,403	11,232	67	48,361,521
29	Chemicals and allied products	1,131	12,871	6,704	88,263,136	27,495	5,751	112,479,511
30	Miscellaneous industries	1,556	5,484	2,803	33,776,149	15,803	9,342	66,572,331
1. Foods and beverages:								
Bakery products:								
31	Biscuits	46	419	268	2,643,971	2,250	3,254	12,483,750
32	Bread and other bakery products	2,624	3,801	1,408	15,457,659	22,884	7,363	78,301,369
Beverages:								
33	Breweries	59	1,619	427	11,397,925	6,619	59	25,372,422
34	Carbonated beverages	535	1,906	693	10,344,427	4,797	370	12,711,540
35	Distilled liquors	21	707	335	4,591,831	2,705	1,689	14,735,718
36	Wines	19	121	52	931,833	306	47	1,059,990
Canning and processing:								
37	Fish processing	489	1,431	352	5,681,383	8,744	3,821	21,939,791
38	Fruit and vegetable preparations	446	1,984	1,104	11,933,910	7,028	6,634	28,035,128
Dairy products:								
39	Butter and cheese	1,369	3,094	1,719	13,618,326	14,513	809	44,812,557
40	Cheese process	17	173	56	994,291	527	335	2,519,519
41	Concentrated milk products	30	204	103	1,117,605	1,155	62	3,680,599
42	Dairy products, other	52	145	69	770,233	448	123	1,567,203
Grain mill products:								
43	Feeds, stock and poultry, prepared	814	1,518	490	5,738,879	4,436	168	11,803,680
44	Feed mills	577	618	61	1,316,003	929	9	1,811,651
45	Flour mills	76	888	425	4,931,518	3,100	159	10,171,207
46	Foods, breakfast	18	171	100	1,263,595	727	376	3,488,436
Meat products:								
47	Animal oils and fats	16	49	25	357,025	253	2	826,185
48	Sausage and sausage casings	103	299	101	1,600,077	872	506	3,570,965
49	Slaughtering and meat packing	154	4,117	1,346	23,389,774	15,576	3,628	67,082,111
Other food industries:								
50	Confectionery	229	772	591	4,950,414	3,515	4,828	18,449,551
51	Macaroni and kindred products	17	66	27	464,931	374	191	1,410,829
52	Sugar refining	11	484	117	2,970,974	2,452	232	8,892,871
53	Miscellaneous food preparations	301	1,806	1,117	12,652,906	3,911	2,844	17,807,697
54	Totals	8,023	26,392	10,986	139,119,490	108,121	37,509	392,514,769
2. Tobacco and tobacco products:								
55	Tobacco, cigars and cigarettes	35	632	393	5,018,120	2,410	4,393	21,429,403
56	Tobacco processing and packing	16	178	23	1,055,812	798	786	2,805,520
57	Totals	51	810	416	6,073,932	3,208	5,179	24,234,923
3. Rubber products:								
58	Rubber goods, incl. footwear	91	3,897	1,628	23,377,147	13,800	3,811	58,777,742
59	Totals	91	3,897	1,628	23,377,147	13,800	3,811	58,777,742

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.			dollars			No.
10,502	30,462,735	6,977,414	55,451,956	62,607,709	123,691,344	1
1,775	3,233,404	401,428	17,806,842	6,161,628	24,497,245	2
30,937	83,948,510	13,346,321	214,779,069	159,820,242	384,398,103	3
22,560	61,063,301	14,250,659	176,440,306	125,314,488	313,280,599	4
446,137	1,396,414,564	181,050,355	3,605,521,666	2,888,148,758	6,622,502,699	5
641,190	2,310,634,396	229,355,946	5,683,753,088	4,868,570,251	10,655,098,620	6
42,821	133,505,971	13,502,279	367,024,766	270,017,554	647,389,185	7
11,536	36,683,383	8,236,492	176,871,188	113,627,642	298,203,489	8
36,792	120,195,105	14,014,511	412,138,247	285,830,811	703,188,739	9
108,595	393,869,388	42,616,741	1,007,882,346	824,249,273	1,859,368,466	10
175	681,433	188,560	3,867,415	1,076,223	5,130,497	11
1,353,020	4,570,692,190	523,940,706	11,721,536,889	9,605,424,579	21,636,748,986	12
183,008	531,634,259	58,531,443	2,474,174,069	1,311,492,763	3,826,702,255	13
9,613	30,308,855	755,583	150,111,499	88,298,796	239,242,872	14
23,136	82,154,889	4,884,170	160,686,586	198,602,139	355,583,815	15
31,384	74,970,034	2,297,523	123,790,832	112,857,380	237,031,985	16
70,873	199,327,510	15,009,532	430,420,090	323,820,707	766,977,127	17
21,913	49,637,957	1,913,227	83,926,020	81,158,559	165,149,727	18
89,799	208,216,211	3,218,042	399,249,027	337,265,504	733,769,962	19
135,583	376,349,267	20,269,385	788,465,324	646,223,303	1,446,612,560	20
93,705	386,886,416	107,487,809	885,056,261	908,726,918	1,887,611,000	21
72,361	254,372,125	5,528,637	225,201,594	459,224,177	688,434,263	22
196,918	766,276,087	65,339,983	1,315,813,753	1,429,985,145	2,756,769,477	23
141,257	553,571,826	21,346,076	1,236,237,404	906,154,687	2,192,934,975	24
56,071	220,369,740	70,787,035	1,128,961,556	667,853,158	1,862,156,162	25
83,296	310,522,800	9,164,267	558,249,520	577,411,595	1,090,194,175	26
40,165	143,223,163	46,299,250	206,872,491	322,821,042	572,539,111	27
17,685	81,679,924	50,360,263	837,826,914	489,299,180	1,377,226,103	28
52,821	200,742,647	36,638,937	527,564,227	556,240,754	1,111,233,404	29
33,432	100,348,480	4,109,544	138,869,722	187,988,792	326,580,013	30
6,191	15,127,721	1,087,243	37,226,249	38,244,500	76,610,411	31
35,456	93,759,028	10,755,654	145,925,800	150,249,262	306,805,298	32
8,724	36,770,347	3,048,700	53,046,993	161,030,802	215,897,007	33
7,766	23,055,967	3,326,198	38,910,429	79,268,993	121,340,498	34
5,436	19,327,549	2,577,873	51,134,121	94,007,432	144,403,075	35
526	1,991,823	142,841	5,262,701	7,446,994	13,515,534	36
14,348	27,621,174	2,854,124	104,484,253	73,064,792	169,936,169	37
16,750	39,969,038	3,321,867	150,499,615	96,044,778	249,883,547	38
20,135	58,430,883	8,758,821	319,962,639	101,805,614	431,255,262	39
1,091	3,513,810	170,605	21,931,375	5,368,139	27,434,586	40
1,524	4,778,204	1,620,084	59,087,756	16,883,478	79,699,486	41
785	2,337,436	408,516	6,949,986	6,096,640	13,393,921	42
6,612	17,542,559	3,176,785	171,048,793	47,033,133	220,556,245	43
1,617	3,127,654	818,912	23,287,892	6,364,304	30,401,561	44
4,572	15,102,725	1,775,351	187,100,113	33,071,027	221,769,944	45
1,374	4,752,031	392,817	12,398,876	18,703,988	30,967,880	46
329	1,183,210	311,402	2,450,415	2,400,120	5,174,412	47
1,778	5,171,042	544,138	19,419,869	10,204,888	30,133,379	48
24,667	90,471,885	5,594,583	667,993,524	171,398,415	844,888,684	49
9,706	23,399,965	1,256,088	62,858,163	54,617,727	119,455,419	50
658	1,875,760	192,094	6,711,530	5,222,770	12,021,712	51
3,285	11,863,845	2,724,554	96,958,985	30,122,828	126,690,159	52
9,678	30,460,603	3,572,193	229,523,992	102,842,139	334,668,066	53
183,008	531,634,259	58,531,443	2,474,174,069	1,311,492,763	3,826,702,255	54
7,828	26,447,523	494,296	89,837,143	79,120,370	169,528,803	55
1,785	3,861,332	261,287	60,274,356	9,178,426	69,714,069	56
9,613	30,308,855	755,583	150,111,499	88,298,796	239,242,872	57
23,136	82,154,889	4,884,170	160,686,586	198,602,139	355,583,815	58
23,136	82,154,889	4,884,170	160,686,586	198,602,139	355,583,815	59

* This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

**TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments
of the Manufacturing Industries, 1956 — Continued**

No.	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
4. Leather products:								
1	Footwear, leather	259	1,725	831	9,794,375	9,117	8,508	36,600,267
2	Gloves and mittens, leather	69	132	70	752,861	612	1,043	2,872,342
3	Leather tanning	53	380	124	2,255,717	3,162	307	10,265,017
	Other leather industries:							
4	Belting, leather	11	27	16	182,924	91	8	277,702
5	Boot and shoe findings, leather	33	79	28	400,478	414	135	1,304,852
6	Miscellaneous leather goods, n.e.s.	221	447	235	2,755,119	1,855	2,038	7,508,380
7	Totals	646	2,790	1,304	16,141,474	15,251	12,039	58,828,560
5. Textiles:								
	Cotton goods:							
8	Cotton thread	11	137	92	897,588	189	537	1,517,983
9	Cotton yarn and cloth	50	2,122	1,131	13,193,627	12,186	6,500	46,265,185
10	Miscellaneous cotton goods	14	66	17	419,860	445	82	1,490,452
	Woolen goods:							
11	Carpets, mats and rugs	19	199	107	1,167,937	908	495	3,742,406
12	Woolen cloth	71	592	324	3,546,028	3,473	2,525	13,657,406
13	Woolen yarn	41	248	147	1,519,787	1,341	1,280	6,165,512
14	Miscellaneous woolen goods	34	217	98	1,842,263	1,472	418	5,415,120
15	Synthetic textiles and silk	47	2,775	1,201	17,110,768	8,976	2,742	32,004,815
	Other primary textiles:							
16	Dyeing and finishing of textiles	54	326	101	1,895,000	1,397	231	4,236,227
17	Narrow fabrics	50	170	118	1,180,897	911	999	4,433,455
	Other textile industries:							
18	Automobile accessories, fabric	19	120	62	837,631	362	447	2,382,786
19	Awnings, tents and sails	142	265	106	1,176,120	626	790	2,506,703
20	Bags, cotton and jute	36	142	63	912,074	321	636	1,975,410
21	Cordage, rope and twine	15	135	68	1,038,414	695	258	2,773,700
22	Embroidery, pleating, hemstitching, etc.	161	227	84	1,201,563	515	925	2,705,711
23	Oilcloth, linoleum and other coated fabric	16	671	281	4,476,878	1,559	153	5,551,134
24	Miscellaneous textiles, n.e.s.	185	474	357	3,329,205	1,004	2,232	6,757,865
25	Totals	965	8,886	4,357	55,745,640	36,380	21,250	143,581,870
6a. Knitting mills:								
26	Hosiery	123	508	442	3,631,793	3,210	4,770	18,268,801
27	Knitted goods	163	799	671	5,915,889	2,871	8,642	21,821,474
28	Totals	286	1,307	1,113	9,547,682	6,081	13,412	40,090,275
6b. Clothing:								
	Men's, women's and children's clothing:							
29	Clothing, children's, factory	191	433	307	2,998,033	1,237	5,553	11,490,778
30	Clothing, men's, factory	551	2,565	1,622	17,182,199	8,215	19,839	57,989,744
31	Clothing, women's, factory	683	1,854	1,407	15,039,244	5,253	17,307	48,184,536
32	Clothing contractors, men's	152	265	68	1,065,380	1,332	3,486	8,363,751
33	Clothing contractors, women's	114	142	45	592,590	245	2,189	3,730,645
	Miscellaneous clothing:							
34	Corsets	42	237	400	2,363,106	404	2,854	5,560,883
35	Fur dressing and dyeing	16	97	19	600,687	777	159	2,655,259
36	Fur goods	522	995	243	4,490,164	2,199	1,214	9,875,793
37	Gloves and mittens, fabric	11	29	34	231,820	109	552	9,832,765
38	Hats and caps	156	401	200	2,482,658	1,373	2,340	8,077,296
39	Oiled and waterproofed clothing	13	39	17	258,180	137	254	824,266
40	Clothing n.e.s.	74	165	119	1,089,280	313	955	2,337,154
41	Totals	2,525	7,222	4,481	48,393,341	21,594	56,502	159,822,870
7. Wood products:								
42	Furniture	1,890	4,369	1,417	21,821,357	24,652	2,286	71,647,394
	Saw and planing mills:							
43	Flooring, hardwood	27	177	46	1,087,609	1,494	34	3,664,860
44	Sash, door and planing mills	1,805	3,335	680	13,717,673	15,725	202	40,986,845
45	Sawnmills	6,629	10,515	868	27,612,917	45,334	361	126,196,287
46	Veneer and plywood	72	771	234	5,136,475	9,068	1,523	31,666,640
	Other wood industries:							
47	Beekeepers' and poultrymen's supplies	7	10	3	26,884	37	2	77,837
48	Boxes and baskets, wood	172	402	94	1,726,821	3,019	406	7,769,505
49	Coverage	62	108	28	418,045	477	1	1,280,826
50	Excelsior	15	52	7	73,971	81	18	197,024
51	Lasts, trees and shoe findings	11	32	30	306,831	369	188	1,165,022
52	Morticians' goods	59	138	56	716,802	981	178	2,736,624
53	Woodenware	30	70	13	294,346	395	154	1,086,888
54	Wood turning	62	146	43	667,070	969	110	2,363,659
55	Miscellaneous wood products, n.e.s.	262	605	204	3,130,357	2,731	349	8,772,598
56	Totals	11,103	20,716	3,723	76,737,258	105,332	5,812	299,612,009

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.			dollars			No.
20,181	46,394,642	745,254	66,901,254	69,992,895	136,681,737	1
1,857	3,625,203	69,952	5,991,660	5,906,228	11,737,959	2
3,973	12,520,734	1,145,746	32,584,209	18,332,391	51,858,497	3
142	460,626	31,034	687,417	738,214	1,446,716	4
656	1,705,330	88,367	3,641,554	2,608,299	6,267,090	5
4,575	10,263,499	217,170	13,984,738	15,279,353	29,039,986	6
31,384	74,970,034	2,297,523	123,790,832	112,857,380	237,031,985	7
955	2,415,571	136,164	5,554,485	5,383,647	10,521,041	8
21,939	59,458,812	4,224,024	144,017,345	87,365,325	236,360,054	9
610	1,910,312	169,682	5,343,473	3,322,504	8,689,181	10
1,709	4,910,343	387,023	10,878,118	8,632,981	19,279,651	11
6,914	17,203,434	1,451,163	31,152,821	25,172,743	57,644,516	12
3,016	7,685,299	501,033	22,115,453	12,673,282	34,468,669	13
2,205	7,257,383	491,855	19,112,965	15,300,073	34,862,778	14
15,694	49,115,583	4,874,589	76,492,980	79,629,177	161,161,495	15
2,055	6,131,227	861,185	4,275,761	9,954,451	15,017,121	16
2,198	5,614,352	242,144	9,424,066	9,267,827	18,689,090	17
991	3,220,417	129,043	8,675,890	4,841,966	13,700,631	18
1,787	3,682,823	154,336	9,574,039	6,321,753	15,931,995	19
1,162	2,887,484	124,482	23,705,742	5,343,749	29,108,048	20
1,156	3,812,114	176,773	9,024,435	7,934,809	17,155,868	21
1,751	3,907,274	94,459	3,299,917	5,999,507	9,314,899	22
2,664	10,028,012	574,073	18,357,833	16,074,896	35,065,889	23
4,067	10,087,070	417,504	29,404,767	20,602,017	49,803,201	24
70,873	199,327,510	15,009,532	430,420,090	323,826,707	766,977,127	25
8,930	21,900,594	821,612	24,902,486	35,337,725	60,629,285	26
12,983	27,737,363	1,091,615	59,023,534	45,820,834	104,520,442	27
21,913	49,637,957	1,913,227	83,926,020	81,158,559	165,149,727	28
7,530	14,488,811	225,795	32,030,598	25,781,544	57,644,337	29
32,041	75,171,943	1,036,942	155,425,652	118,934,426	272,145,915	30
25,821	63,223,780	740,000	132,860,064	106,186,011	237,611,438	31
5,151	9,429,131	184,394	1,468,665	11,523,735	13,151,560	32
2,621	4,323,235	73,853	450,955	5,916,298	6,454,292	33
3,895	7,923,989	126,933	11,494,745	15,836,565	27,682,743	34
1,052	3,255,946	106,527	1,057,850	5,096,238	6,241,696	35
4,651	14,165,957	327,135	39,044,908	21,886,544	61,126,085	36
724	1,164,585	19,802	2,423,958	2,185,780	4,651,618	37
4,314	10,559,954	292,168	13,236,627	16,385,000	29,742,506	38
447	1,082,446	17,872	2,496,193	1,805,044	4,357,077	39
1,552	3,426,434	66,621	7,258,812	5,728,319	12,960,695	40
89,799	208,216,211	3,218,042	399,249,027	337,265,504	733,769,962	41
32,724	93,468,751	3,445,065	148,015,272	148,496,496	297,554,404	42
1,751	4,752,469	227,139	12,057,352	7,751,539	19,818,255	43
19,942	54,704,518	3,964,726	151,697,647	89,172,259	243,381,166	44
57,078	153,809,204	8,957,828	350,745,728	279,710,804	639,414,360 ²	45
11,596	36,803,115	1,627,392	71,621,361	67,947,325	137,580,874	46
52	104,721	9,243	238,167	171,430	416,954	47
3,921	9,496,426	521,555	14,161,063	14,351,376	28,829,565	48
614	1,698,871	112,582	4,787,106	2,255,092	7,119,153	49
124	270,995	26,822	237,755	392,837	656,577	50
639	1,471,853	42,291	1,421,848	2,388,700	3,634,819	51
1,353	3,453,426	151,884	4,289,501	5,606,379	9,902,378	52
632	1,381,234	79,115	1,890,083	2,115,866	4,116,500	53
1,268	3,030,729	157,466	3,815,760	4,694,221	8,583,508	54
3,889	11,902,955	946,277	23,486,681	21,168,979	45,404,047	55
135,583	376,349,267	20,269,385	788,465,324	646,223,303	1,446,612,560	56

² This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956 - Continued

No.	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
8. Paper products:								
1	Boxes and bags, paper	215	1,908	1,001	11,994,339	7,959	4,661	36,857,355
2	Pulp and paper	126	8,286	2,581	64,075,889	54,079	1,039	233,496,055
3	Roofing paper	25	676	320	4,120,947	1,391	76	4,990,800
4	Miscellaneous paper goods	202	1,369	895	9,694,717	4,747	2,717	21,656,314
5	Totals	568	12,239	4,797	89,885,892	68,176	8,493	297,000,524
9. Printing, publishing and allied industries:								
Commercial printing:								
6	Printing and bookbinding	1,840	4,458	2,072	25,573,743	13,604	5,223	57,829,687
7	Trade composition	50	190	63	1,088,369	795	22	3,015,021
Engraving, stereotyping and allied industries:								
8	Engraving, stereotyping and electrotyping	151	686	357	5,265,071	3,029	536	14,993,206
9	Lithographing	85	623	360	4,915,420	2,484	966	11,984,293
Printing and publishing:								
10	Printing and publishing	768	9,557	5,251	54,375,481	14,153	1,946	61,650,372
11	Publishing (only) of periodicals	1,691	2,830	3,156	13,681,462	—	—	—
12	Totals	4,585	18,344	11,239	104,899,546	34,065	8,693	149,472,579
10. Iron and steel products:								
13	Agricultural implements	71	2,043	524	10,776,491	7,182	89	25,927,087
14	Boilers, tanks and platework	103	1,928	618	10,634,583	6,435	23	23,750,111
15	Bridge and structural steel work	51	2,499	580	15,564,949	10,610	18	42,875,251
16	Castings, iron	199	1,963	772	12,428,552	14,350	276	54,387,104
17	Hardware, tools and cutlery	392	2,164	1,082	14,332,689	9,757	1,611	37,525,138
18	Heating and cooking apparatus	117	1,739	722	10,700,913	6,719	258	22,670,214
19	Machinery, household, office and store	74	1,685	685	9,665,190	6,146	957	23,637,467
20	Machinery, industrial	329	5,749	2,222	33,810,374	17,931	673	69,073,738
21	Machine shops	683	1,488	293	6,860,893	5,847	109	18,378,734
22	Machine tools	11	292	104	1,987,570	1,076	—	3,939,831
23	Primary iron and steel	50	3,881	1,090	26,703,039	30,871	201	136,177,828
24	Sheet metal products	381	3,094	1,157	19,618,651	14,127	1,634	54,126,836
25	Wire and wire goods	133	1,488	644	9,566,478	7,269	794	30,234,739
26	Miscellaneous iron and steel products	369	1,984	509	10,704,843	8,536	420	30,316,794
27	Totals	2,963	31,997	11,002	193,355,215	146,856	7,063	573,020,872
11. Transport equipment:								
28	Aircraft and parts	52	10,159	2,917	60,860,882	21,920	567	85,567,132
29	Bicycles and parts	5	92	52	598,321	427	56	1,593,703
30	Boat building	197	305	58	1,082,095	1,316	32	3,676,222
31	Motor vehicles	16	6,329	1,675	40,973,235	26,640	455	108,974,988
32	Motor vehicle parts	198	3,154	1,096	20,300,052	14,868	2,353	62,061,800
33	Railway rolling stock	29	2,367	364	13,323,443	25,351	36	87,405,728
34	Shipbuilding	67	2,089	563	11,045,967	15,037	93	53,639,583
35	Miscellaneous transportation equipment	27	109	39	631,340	595	143	1,837,330
36	Totals	591	24,604	6,764	148,815,335	106,154	3,735	404,756,491
12. Non-ferrous metal products:								
37	Aluminum products	96	1,730	850	11,710,939	4,031	273	13,953,222
38	Brass and copper products	154	1,410	590	9,196,588	6,669	551	25,532,773
39	Jewellery and silverware	220	635	430	3,982,989	2,380	1,432	10,007,520
40	Non-ferrous metal smelting and refining	23	4,297	1,053	25,950,477	25,369	49	104,189,467
41	White metal alloys	58	492	189	3,198,641	1,997	521	8,225,402
42	Miscellaneous non-ferrous metal products	30	276	89	1,792,922	614	124	2,628,800
43	Totals	581	8,840	3,201	53,832,556	41,080	2,950	164,537,184
13. Electrical apparatus and supplies:								
44	Batteries	36	436	223	2,795,133	1,220	365	5,222,176
45	Refrigerators, vacuum cleaners and appliances	77	1,640	731	10,865,595	5,717	1,424	23,701,593
46	Machinery, heavy, electrical	74	6,035	2,161	37,265,675	12,564	2,876	58,464,297
47	Telecommunication equipment	125	6,259	2,083	34,925,368	6,818	6,243	37,643,549
48	Miscellaneous electrical apparatus and supplies	161	4,921	2,079	31,474,523	13,599	5,902	68,164,891
49	Totals	473	19,291	7,277	117,326,294	39,918	16,810	193,196,506

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value added and Shipments of the Manufacturing Industries, 1956 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
No.			dollars			
15,529	48,851,694	1,831,644	150,435,248	90,933,771	241,444,038	1
65,985	297,571,944	103,505,891	625,205,442	736,346,393	1,453,441,726	2
2,463	9,111,747	703,640	22,439,088	18,102,095	41,674,762	3
9,728	31,351,031	1,446,634	86,976,463	63,344,659	151,050,474	4
93,705	386,886,416	107,487,809	885,056,261	908,726,918	1,887,611,000	5
25,357	83,403,430	2,124,832	81,272,057	139,473,551	221,879,981	6
1,070	4,103,390	63,264	489,485	6,006,932	6,569,207	7
4,608	20,258,277	426,068	8,300,429	30,516,932	39,035,803	8
4,433	16,899,713	317,706	21,163,128	29,240,021	50,612,681	9
30,907	116,025,853	2,596,767	83,988,564	218,964,666	305,326,585	10
5,986	13,681,462	—	29,987,931	35,022,075	65,010,006 ²	11
72,361	254,372,125	5,528,637	225,201,594	459,224,177	688,434,263	12
9,838	36,703,578	1,872,226	64,786,280	51,474,339	122,681,025	13
9,004	34,384,694	1,451,024	56,998,458	53,533,046	110,697,040	14
13,707	58,440,200	1,813,402	103,229,597	99,728,554	204,771,553 ²	15
17,361	66,815,656	4,184,022	123,391,722	122,732,230	244,028,587	16
14,614	51,857,827	2,200,955	60,033,290	98,882,470	158,406,440	17
9,438	33,371,127	1,572,982	65,663,194	60,118,307	123,626,040	18
9,473	33,302,657	1,013,861	64,971,338	65,594,236	128,254,564	19
26,575	102,684,112	3,164,606	142,776,773	200,479,761	329,447,227	20
7,737	25,239,627	1,129,746	20,714,664	37,601,274	59,235,440	21
1,472	5,927,401	155,081	5,402,839	8,353,769	13,495,383	22
35,043	162,880,867	38,311,951	301,298,582	352,522,996	680,860,470	23
20,012	73,745,487	3,172,301	162,747,069	135,728,461	296,043,128	24
10,195	39,801,217	2,136,471	89,906,441	72,529,912	160,458,338	25
11,449	41,021,637	3,161,355	53,893,506	70,705,790	124,764,242	26
196,918	766,376,087	65,339,983	1,315,813,733	1,429,985,145	2,756,769,477	27
35,563	146,428,014	4,084,546	138,155,854	212,269,685	354,510,085 ²	28
627	2,192,024	102,334	2,064,977	4,190,887	6,424,483	29
1,711	4,758,317	180,689	5,049,849	6,595,758	11,507,160	30
35,099	149,948,223	5,978,809	697,299,987	298,259,463	988,143,273	31
21,471	82,361,857	4,607,091	177,584,923	154,511,216	329,525,120	32
28,118	100,729,171	4,394,127	207,028,080	134,093,999	345,516,208 ²	33
17,782	64,685,550	1,879,263	54,130,593	91,188,806	147,198,662 ²	34
886	2,468,670	119,217	4,983,141	5,044,853	10,109,986	35
141,237	553,571,826	21,346,076	1,286,297,404	906,154,667	2,192,934,975	36
6,884	25,664,161	1,807,712	56,330,198	35,131,189	90,470,877	37
9,220	34,729,361	2,405,113	173,601,665	69,497,906	244,096,116	38
4,877	13,990,509	394,988	29,499,839	24,171,407	53,460,985	39
30,788	130,139,944	64,942,503	820,604,322	511,018,353	1,396,565,178 ²	40
3,199	11,424,043	975,391	41,590,230	20,180,300	62,515,219	41
1,103	4,421,722	261,328	7,335,302	7,854,003	15,047,787	42
56,071	220,369,740	70,787,035	1,128,961,556	667,853,158	1,862,156,162	43
2,244	8,017,309	574,170	25,702,818	14,540,125	41,133,182	44
9,512	34,567,188	1,616,333	75,861,210	80,339,475	148,903,902	45
23,636	95,729,972	2,424,866	116,074,348	163,584,152	261,832,208	46
21,403	72,568,917	1,269,636	135,182,456	119,323,007	244,762,934	47
26,501	99,639,414	3,279,262	205,428,688	192,624,836	393,561,949	48
83,296	310,522,800	9,164,267	558,249,520	577,411,595	1,090,194,175	49

² This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956 — Concluded

No	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
14. Non-metallic mineral products:								
1	Abrasives, artificial	17	463	171	3,249,673	2,081	101	8,497,269
2	Asbestos products	16	354	137	2,060,008	1,564	194	6,467,497
3	Cement, hydraulic	17	348	68	2,044,915	2,819	2	11,125,431
4	Clay products from domestic clay	119	419	91	2,240,937	3,986	65	13,169,319
5	Clay products from imported clay	37	253	84	1,565,066	1,464	330	5,936,802
6	Concrete products	596	1,792	324	8,218,771	7,900	37	25,513,892
7	Glass and glass products	112	874	485	5,326,832	5,698	1,116	23,004,373
8	Gypsum products	12	321	107	1,967,127	1,241	6	4,309,132
9	Lime	38	79	13	371,969	1,009	2	3,493,483
10	Salt	13	144	39	792,433	591	45	2,109,258
11	Sand-lime brick	4	14	—	68,877	121	—	403,920
12	Stone products	151	393	89	1,966,967	1,649	16	5,543,755
13	Miscellaneous non-metallic mineral products.....	51	256	88	1,543,920	667	55	2,231,565
14	Totals.....	1,183	5,710	1,696	31,417,495	30,790	1,969	111,805,668
15. Products of petroleum and coal:								
15	Coke and gas products	25	447	165	2,741,542	2,722	—	11,030,756
16	Petroleum products	61	4,338	1,271	29,946,374	8,252	64	36,395,264
17	Miscellaneous products of petroleum and coal....	21	110	55	630,487	258	3	935,501
18	Totals.....	107	4,895	1,491	33,318,403	11,232	67	48,381,521
16. Chemicals and allied products:								
19	Acids, alkalies and salts	48	2,257	694	15,280,533	6,064	68	25,384,039
20	Fertilizers	45	674	156	3,742,449	2,116	12	8,014,688
21	Medicinal and pharmaceutical preparations	212	1,689	1,597	13,900,475	2,291	2,224	12,052,738
22	Paints, varnishes and lacquers	126	1,745	993	11,647,872	3,145	328	11,065,473
23	Primary plastics	25	930	318	5,913,572	1,929	83	7,941,600
24	Soaps, washing compounds and cleaning prepara- tions	142	922	536	6,595,784	1,835	429	7,917,828
25	Toilet preparations	91	390	468	3,224,248	518	912	3,177,830
26	Vegetable oils	12	194	63	1,179,989	407	8	1,403,862
Other chemical industries:								
27	Adhesives	29	134	87	872,555	359	31	1,280,363
28	Coal tar distillation	11	124	30	1,046,763	377	6	1,411,251
29	Gases, compressed	53	476	250	2,569,856	673	—	2,513,138
30	Inks	33	201	110	1,616,861	638	45	2,137,909
31	Polishes and dressings	45	178	184	1,646,300	274	192	1,175,371
32	Miscellaneous chemical products	259	2,957	1,218	19,025,879	6,869	1,413	27,003,441
33	Totals.....	1,131	12,871	6,704	88,263,136	27,495	5,751	112,479,511
17. Miscellaneous industries:								
34	Brooms, brushes and mops	104	299	188	1,833,402	1,095	521	3,563,839
35	Clocks, watches and watch cases	33	156	114	1,176,803	385	464	2,462,141
36	Fountain pens and pencils	18	163	141	1,295,092	235	564	1,747,715
37	Instruments and related products	77	1,407	638	8,970,243	2,599	921	12,897,591
38	Musical instruments	25	126	81	827,633	871	227	3,113,274
39	Ophthalmic goods	33	173	106	1,003,675	504	248	1,833,260
40	Orthopaedic and surgical appliances	36	63	41	398,582	112	151	540,779
41	Plastics products	177	643	337	3,937,710	2,167	1,632	9,030,908
42	Sporting goods	95	286	144	1,550,059	941	608	3,889,669
43	Toys and games	67	138	94	977,997	564	945	3,050,379
44	Typewriter supplies	9	80	50	540,753	189	111	719,512
Other miscellaneous industries:								
45	Artificial flowers and feathers	40	54	31	258,765	136	259	627,453
46	Buttons, buckles and fasteners	47	208	125	1,447,353	548	674	2,973,582
47	Candles	15	34	16	273,094	110	72	408,098
48	Hair goods	13	17	10	125,039	66	14	189,050
49	Ice, artificial	52	106	37	487,162	316	2	951,869
50	Lamps, electric and lamp shades.....	71	149	107	910,299	579	497	2,161,734
51	Models and patterns, excluding paper	75	102	19	583,703	439	8	1,687,132
52	Pipes, lighters and smokers' supplies	13	32	27	198,096	51	64	322,376
53	Signs, electric, neon and other	329	713	202	3,689,009	2,239	170	7,731,326
54	Stamps and stencils, rubber and metal	71	171	84	1,086,473	537	160	1,921,745
55	Statuary, art goods, regalia and novelties	108	137	50	570,596	360	251	1,284,951
56	Umbrellas	9	21	9	124,967	19	89	159,171
57	Miscellaneous industries	39	206	152	1,509,644	741	690	3,304,777
58	Totals.....	1,556	5,484	2,803	33,776,149	15,803	9,342	66,572,331
59	Grand totals, all industries	37,428	216,295	85,002	1,272,025,985	831,336	220,387	3,298,666,205

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1956 - Concluded

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
No.			dollars			
2,816	11,746,942	4,921,814	18,371,516	23,287,988	46,023,192	1
2,249	8,527,505	829,850	15,955,866	18,356,090	34,229,784	2
3,237	13,170,346	15,763,605	12,784,027	50,058,214	78,605,846 ²	3
4,561	15,410,256	6,212,519	1,123,043	30,449,418	37,784,980 ²	4
2,131	7,501,868	994,241	6,223,638	14,165,690	20,950,514	5
10,053	33,732,663	4,687,055	77,315,560	74,468,351	155,369,190	6
8,173	28,331,205	4,853,921	35,480,541	47,333,842	87,168,541	7
1,675	6,276,231	1,445,539	14,647,050	14,936,519	31,272,655	8
1,103	3,865,452	3,670,384	1,235,969	11,555,978	16,462,331 ²	9
819	2,901,691	988,301	2,455,982	10,532,905	14,007,188 ²	10
135	472,787	72,000	366,258	876,157	1,295,656	11
2,147	7,510,722	1,056,659	9,907,459	16,894,801	27,774,555	12
1,066	3,775,485	803,362	10,995,582	9,885,089	21,594,679	13
40,165	143,223,163	46,299,250	206,872,491	322,821,042	572,539,111	14
3,334	13,772,298	7,000,584	66,709,535	39,974,276	113,684,395 ²	15
13,925	66,341,638	43,127,224	766,375,257	444,427,813	1,253,798,979 ²	16
426	1,565,988	232,455	4,742,122	4,897,091	9,742,729	17
17,685	81,679,924	50,360,263	837,826,914	489,299,180	1,377,226,103	18
9,083	40,664,572	17,194,318	85,087,630	96,705,138	193,541,164	19
2,958	11,757,117	2,700,397	43,295,343	37,343,843	83,399,218	20
7,801	25,953,213	924,013	38,009,475	83,300,273	122,592,220	21
6,211	22,713,345	969,925	65,155,888	60,438,750	126,312,114	22
3,280	13,855,172	1,703,084	46,911,807	34,886,821	82,738,552	23
3,722	14,513,612	1,325,218	45,955,138	63,127,847	109,384,798	24
2,288	6,402,078	157,682	16,361,508	25,295,686	41,324,564	25
672	2,583,851	522,748	37,107,511	5,443,602	42,239,497	26
611	2,152,918	412,238	5,423,688	6,456,530	12,329,512	27
537	2,458,014	703,832	8,048,543	4,549,278	13,221,192	28
1,399	5,082,994	698,097	3,451,756	16,827,975	20,972,581	29
994	3,754,770	145,430	6,779,666	9,076,493	15,902,813	30
828	2,821,671	134,893	9,769,357	11,258,814	20,847,347	31
12,457	46,029,320	9,047,062	116,206,917	101,529,704	226,427,832	32
52,821	200,742,647	36,638,937	527,564,227	556,240,754	1,111,233,404	33
2,103	5,397,241	192,233	8,608,934	10,085,259	18,641,759	34
1,119	3,638,944	56,180	7,825,135	7,953,540	15,744,711	35
1,103	3,042,807	82,465	5,554,392	7,154,410	12,487,690	36
5,565	21,867,834	507,292	25,361,290	43,851,464	67,875,442	37
1,305	3,940,907	189,889	4,304,230	7,838,170	12,284,891	38
1,031	2,836,935	89,474	2,714,859	3,511,543	6,152,081	39
367	939,361	31,322	1,014,114	1,599,645	2,737,409	40
4,779	12,968,618	687,587	29,221,752	27,676,435	56,537,054	41
9,927	5,439,728	208,219	6,105,140	9,338,370	15,528,074	42
1,741	4,028,376	206,603	8,298,927	7,328,702	15,444,080	43
430	1,260,265	41,706	2,883,424	2,899,091	5,810,198	44
480	886,218	27,148	1,043,393	1,510,570	2,556,704	45
1,555	4,420,935	140,743	6,005,793	6,003,000	13,129,630	46
232	681,192	50,805	1,245,053	1,626,793	2,789,956	47
107	314,089	9,981	836,406	551,780	1,424,209	48
461	1,439,031	473,131	243,612	2,892,516	3,606,992	49
1,332	3,072,033	107,549	6,037,658	5,341,414	11,433,019	50
568	2,270,835	67,685	908,664	3,323,338	4,276,174	51
174	520,472	22,054	1,492,264	1,420,881	2,716,712	52
3,324	11,420,335	601,222	9,890,036	18,377,732	28,874,077	53
952	3,008,218	86,502	1,921,272	4,357,834	6,336,853	54
798	1,855,547	78,232	1,804,792	2,870,232	4,739,696	55
138	284,138	9,116	609,703	443,399	1,070,853	56
1,789	4,814,421	142,406	4,938,849	9,432,674	14,381,749	57
33,432	100,348,480	4,109,544	138,869,722	187,988,792	326,580,013	58
1,353,020	4,570,692,190	523,940,706	11,721,536,889	9,605,424,579	21,636,748,986	59

² This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

Table 12 gives the amount and value of each of the principal commodities produced or shipped by the manufacturing industries of Canada. Commodities produced in small quantities

are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix II of this report.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1956

Note: Since 1952 the basis of collection is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked* are still on a production basis.

	Unit of measure	Quantity	Value
Food:			
Biscuits, all kinds	lb.	252,994,984	71,620,694
Bread	"	1,606,946,000	186,060,605
Butter, factory made	"	307,028,703	177,941,054
Cheese, factory made	"	157,854,958	54,193,588
Coffee and tea blended, roasted and packed	"	121,050,768	128,755,150
Coffee, instant	"	5,094,805	13,487,830
Confectionery, all kinds	"	—	81,225,534
Cream, sold in dairy factories	lb. b.f.	29,210,789	32,921,366
Feed, chopped grain	ton	644,305	36,749,663
Feeds, stock and poultry, prepared	"	2,476,899	197,235,847
Fish, canned and otherwise prepared*	—	—	79,097,200
Flour, wheat	cwt.	39,598,907	166,045,506
Fruits and vegetables, canned	lb.	617,654,626	82,965,441
Fruits and vegetables, frozen	—	—	9,560,893
Ice cream, factory made	gal.	31,631,406	51,592,515
Jams, jellies and marmalades	lb.	112,074,655	21,013,955
Lard	"	101,630,001	15,384,111
Margarine and margarine substitutes	"	124,121,081	29,912,431
Meats, canned, including poultry, pastes, etc.	"	78,115,589	36,814,736
Meats, cooked, including sausage, weiners, etc.	"	280,362,298	99,223,177
Meats, cured and smoked	"	254,454,220	125,150,571
Meats, sold fresh and frozen, including poultry	"	1,471,733,311	478,434,414
Milk, sold in dairy factories	gal.	185,407,088	134,688,373
Milk, evaporated and condensed	lb.	320,273,052	37,508,866
Pickles, relishes and catsup	—	—	24,279,003
Pies, cakes and pastry	—	—	76,534,971
Powders, edible (custard, jelly, milk, etc.)	—	—	40,231,775
Shortening	lb.	163,494,942	37,659,479
Soups, canned (except infants*)	"	231,240,402	42,077,767
Sugar, granulated (cane and beet)	"	1,337,215,380	104,338,098
Beverages:¹			
Beer, ale, stout and porter (sales)	gal.	214,978,831	339,473,859
Beverage spirits sold (net sales)	proof gal.	13,733,393	107,076,353
Carbonated beverages	gal.	123,205,120	107,729,748
Wine sold	Imp. gal.	5,036,719	12,986,111
Tobacco and tobacco products:¹			
Cigarettes	M	27,343,996	366,114,213
Cigars	"	260,900	19,723,097
Tobacco, chewing, smoking and snuff	lb.	23,455,973	58,414,898
Tobacco, raw leaf, processed*	"	113,808,805	69,714,069
Textile products, except clothing:			
Bags, cotton and jute	No.	130,570,092	24,492,215
Blankets	—	—	16,075,403
Carpets, mats and rugs	—	—	18,379,910
Cotton fabrics	—	—	130,592,728
Synthetic woven fabrics, all types	yd.	96,055,998	64,302,961
Tire fabrics	lb.	32,407,511	27,391,147
Twine and cordage	—	—	14,264,708
Woven fabrics, wool or containing wool	sq. yd.	31,388,011	48,832,851
Yarns, cotton, rayon, wool, etc. (for sale)	—	—	135,483,791
Clothing:			
Coats and overcoats, cloth, men's and youths'	No.	718,463	20,054,481
Coats, wool, women's and misses'	"	1,372,848	33,744,411
Coats, fur, women's, (factory made)	"	219,438	49,620,697
Short coats (including windbreakers, mackinaws, parkas, leather coats, etc.)	"	—	33,081,691
Dresses, women's and misses'	No.	11,689,266	80,118,947
Footwear, leather	pr.	35,599,652	126,957,851
Footwear, rubber	"	12,158,637	32,666,231
Gloves and mittens, all kinds	doz. pr.	2,051,745	16,691,341
Hats and caps, men's	doz.	756,202	11,437,481
Hats, women's and children's	"	462,340	14,215,251
Hosiery, all kinds	doz. pr.	10,282,598	59,667,331
Shirts, fine, work and sport	doz.	2,753,591	59,565,031
Sport suits, slacks and other sport clothing, n.e.s.	—	—	19,695,821
Suits, men's and youths', fine,woollen	No.	1,433,665	51,823,291
Underwear	—	—	57,792,951
Wood products:			
Boxes, wooden	—	—	13,891,731
Lumber planed	M ft. b. m.	1,559,859	119,653,811
Lumber sawn*	"	7,744,731	539,652,311
Pulp, wood, made for sale	ton	1,996,820	252,928,611
Sash, doors and other mill work	—	—	75,278,011

¹ Includes excise taxes on prime cost of Spirits and Tobacco.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1956 — Concluded

	Unit of measure	Quantity	Value
Paper products:			\$
Bags, paper	—	—	52,237,959
Boxes, paper	—	—	180,212,711
Paper boards, all types	ton	1,173,087	147,987,340
Paper, book and writing	"	341,580	86,524,107
Paper, newsprint	"	6,445,110	735,644,049
Paper, wrapping	"	288,146	61,098,013
Printing, publishing and allied industries:			
Books and catalogues, printed and bound	—	—	37,047,202
Other advertising matter, printed	—	—	56,619,521
Periodicals printed for publishers	—	—	28,465,606
Periodicals printed by publishers:			
Subscriptions and sales	—	—	64,308,975
Gross revenue from advertising	—	—	196,530,328
Sheet forms, commercial, legal, etc., printed	—	—	53,418,665
Iron and steel products:			
Bars, iron and steel, hot rolled (sold)	ton	795,675	112,281,656
Boilers, heating and power	—	—	27,553,938
Castings, grey iron, made for sale	—	—	49,435,436
Farm implements and parts*	—	—	117,656,000
Forgings, steel and other	—	—	35,434,402
Hardware, builders, pole line and other	—	—	46,710,000
Machinery, industrial, household, office and store, and parts	—	—	686,317,000
Pig iron (sold)	ton	649,213	34,501,520
Pipes, tubing and fittings, iron and steel	—	—	162,928,000
Rolled iron and steel forms, semi-finished, sold	net ton	236,969	20,573,136
Sheets, bars and other cold-rolled products, sold	" "	935,237	160,544,319
Steel ingots and castings, sold	" "	164,288	55,326,132
Steel shapes erected, buildings, bridges, etc.*	" "	453,554	156,717,484
Steel shapes, structural, made in primary mills	" "	315,564	36,361,986
Stoves, coal, wood, electric and gas	—	—	55,084,914
Tools and implements, hand, all kinds and parts	—	—	34,972,392
Wire, wire rope and cable, steel	—	—	57,669,155
Transportation equipment:			
Aircraft, completed in year*	—	—	94,625,746
Automobiles, commercial	No.	93,157	184,280,298
Automobiles, passenger	"	374,312	646,523,642
Automobile parts and accessories, including tires	—	—	575,205,000
Buses	No.	395	5,944,401
Cars, railway, complete, freight and passenger*	"	9,221	70,980,820
Locomotives, diesel-electric, new*	"	446	74,068,418
Ships and ship repairs*	—	—	156,897,005
Non-ferrous metal products:			
Jewelry	—	—	20,780,000
Kitchenware, aluminum	—	—	6,263,153
Silverware	—	—	9,333,256
Smelter and refinery products*	—	—	1,396,565,178
Electrical apparatus and supplies:			
Batteries, electric, storage	—	—	27,279,194
Radio receiving sets, complete	No.	740,656	23,877,863
Refrigerators, household, mechanical	"	269,213	47,443,340
Television sets	"	613,895	94,506,905
Wires and cables, electric	—	—	186,518,927
Non-metallic mineral products:			
Abrasives, artificial	ton	262,298	28,066,931
Coke, gas-house*	"	4,331,216	65,377,694
Concrete, ready-mixed	—	—	75,906,944
Gas, manufactured and natural, sold*	M cu. ft.	163,763,992	85,335,789
Glass, pressed and blown (bottles, sealers, ovenware etc.)	—	—	47,970,245
Chemicals and allied products:			
Calcium and sodium compounds	ton	703,200	43,639,012
Fertilizers, mixed	—	—	34,408,000
Medicinal and pharmaceutical preparations	—	—	110,002,000
Paints, enamels, and varnishes	—	—	119,355,000
Synthetic resins	—	—	50,530,000
Soaps and synthetic detergents	lb.	309,731,000	77,098,000
Toilet preparations	—	—	53,817,616
Miscellaneous:			
Bags, hand and hand luggage	—	—	16,166,404
Brooms and household brushes	doz.	1,052,555	5,662,487
Cans, metal, for food	—	—	63,040,021
Furniture, wood and metal, including beds and couches	—	—	22,667,402
Gasoline*	Imp. gal.	3,063,284,112	561,464,291
Leather, shoe	—	—	38,209,178
Mattresses	—	—	23,485,434
Mops, floor	—	—	3,491,570
Oil, fuel	Imp. gal.	4,106,877,321	517,238,643
Pianos, organs and parts	—	—	5,109,989
Scientific and professional equipment	—	—	57,869,579
Sporting goods	—	—	17,271,529
Springs, bed and other furniture	—	—	13,304,760
Toys and games	—	—	23,402,739

Subsection 2. Manufactures Classified on the Chief Component Material Classification Basis

For the most purposes a classification of manufacturing industries based upon "chief component materials" has, in the past, proved most useful in Canadian industrial classification. For this reason the Bureau's classification based upon this concept has been the one most widely used for general purposes such as the Decennial Census, Vital Statistics, foreign Trade, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of a group "Textile Products", composed partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, i.e., when its final products are chiefly such items as pig iron, lumber and processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods

for final consumption, the combination of ingredients in such output becomes more and more complex. The modern automotive, aircraft, shipbuilding, and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the completion of the final product.

In recent years Canada's industrial system has undergone considerable development. Consequently in establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established.

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-1956

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number		dollars			
1917						
Vegetable products	4,151	62,791	45,916,557	367,214,061	183,782,501	550,996,562
Animal products	5,486	46,994	35,753,133	320,302,039	124,103,990	444,406,029
Textiles and textile products	1,032	76,315	47,386,592	131,071,158	109,227,157	240,298,315
Wood and paper products	7,258	153,701	115,198,434	150,122,143	249,201,596	399,323,739
Iron and its products	1,495	161,745	161,875,526	378,193,116	371,792,489	749,985,605
Non-ferrous metal products	296	18,220	15,898,890	46,445,469	41,039,351	87,484,820
Non-metallic mineral products	1,075	20,781	18,224,724	36,994,392	58,092,396	95,086,788
Chemicals and allied products	539	56,153	51,505,484	99,068,092	131,381,995	230,450,087
Miscellaneous industries	512	9,823	6,042,604	10,268,341	12,510,505	22,778,846
Totals	21,845	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1920						
Vegetable products	4,549	74,241	77,750,189	536,828,044	239,328,371	776,156,415
Animal products	4,823	48,687	54,291,605	400,496,354	152,995,130	553,491,484
Textiles and textile products	1,304	87,730	84,433,609	256,233,300	173,741,035	429,974,335
Wood and paper products	7,881	144,391	172,368,578	309,813,724	417,256,115	727,069,839
Iron and its products	1,789	164,087	231,595,911	377,499,134	411,875,057	789,374,191
Non-ferrous metal products	324	23,162	27,895,343	48,434,120	52,847,178	101,281,298
Non-metallic mineral products	846	25,500	32,351,764	69,856,558	80,205,472	150,062,030
Chemicals and allied products	464	17,653	22,193,421	62,644,608	65,183,212	127,827,820
Miscellaneous industries	552	13,442	14,613,455	23,465,807	27,841,778	51,307,585
Totals	22,532	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1929						
Vegetable products	5,350	91,032	95,853,121	431,595,751	341,688,938	783,706,883
Animal products	4,490	67,670	62,081,423	345,351,892	127,929,857	477,761,855
Textiles and textile products	1,534	103,881	94,969,433	217,954,088	180,469,064	403,205,809
Wood and paper products	7,392	164,572	192,088,948	313,797,201	381,485,477	724,972,308
Iron and its products	1,224	142,772	203,740,658	405,818,468	367,465,582	790,726,338
Non-ferrous metal products	408	39,867	54,501,806	124,900,632	150,415,215	283,545,666
Non-metallic mineral products	843	29,257	38,958,390	112,573,103	99,065,847	229,774,300
Chemicals and allied products	554	16,694	22,639,449	55,184,337	78,785,911	138,545,261
Miscellaneous industries	421	10,786	12,457,989	22,495,351	28,081,046	51,207,736
Totals	22,216	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1933						
Vegetable products	5,916	75,416	68,535,349	226,879,373	196,820,952	432,315,617
Animal products	4,496	53,111	46,453,188	179,429,948	87,629,444	271,068,210
Textiles and textile products	1,740	95,707	72,813,424	143,184,861	131,065,992	279,475,267
Wood and paper products	7,891	105,080	102,218,652	134,663,641	184,233,540	341,336,701
Iron and its products	1,334	73,348	72,296,179	98,793,191	109,198,169	216,828,992
Non-ferrous metal products	478	25,273	28,099,026	71,990,608	88,427,984	164,765,604
Non-metallic mineral products	770	16,975	19,282,401	69,077,701	52,817,078	131,325,706
Chemicals and allied products	696	15,397	18,738,629	34,271,854	55,394,284	92,820,761
Miscellaneous industries	459	8,351	7,810,976	9,497,751	14,083,738	24,138,927
Totals	23,780	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-1956 — Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number			dollars		
1939						
Vegetable products	5,872	99,447	104,248,785	356,726,153	292,129,840	659,624,014
Animal products	4,362	99,358	68,231,871	333,647,306	122,821,410	461,983,252
Textiles and textile products	1,930	121,022	107,117,035	203,618,197	181,927,898	392,657,759
Wood and paper products	8,538	144,782	165,287,455	246,292,820	303,662,441	579,892,183
Iron and its products	1,394	121,041	158,559,728	262,292,781	275,774,796	553,468,880
Non-ferrous metal products	526	44,563	59,684,858	242,063,177	155,808,806	416,060,459
Non-metallic mineral products	809	23,026	30,067,934	107,979,292	85,511,631	208,166,781
Chemicals and allied products	808	22,595	31,567,558	65,230,839	89,046,832	159,536,984
Miscellaneous industries	566	12,280	13,045,929	18,308,810	24,368,247	43,393,206
Totals	24,805	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1944						
Vegetable products	5,941	130,679	183,943,948	763,606,750	485,551,491	1,270,518,297
Animal Products	4,388	94,195	129,215,389	835,586,247	246,064,720	1,092,015,647
Textiles and textile products	2,481	153,122	195,805,681	419,983,642	351,186,488	781,771,688
Wood and paper products	10,452	189,674	284,436,559	497,656,158	550,826,986	1,093,725,822
Iron and its products	2,192	141,944	816,452,454	1,104,083,922	1,390,703,087	2,540,992,974
Non-ferrous metal products	635	104,314	182,909,292	549,317,062	399,438,519	992,345,975
Non-metallic mineral products	743	31,590	56,130,338	234,714,319	152,525,053	416,268,879
Chemical and allied products	981	81,822	137,422,977	360,412,749	355,260,598	733,569,232
Miscellaneous industries	665	25,542	41,304,732	66,967,507	84,159,068	152,484,005
Totals	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1949						
Vegetable products	5,903	143,032	285,536,723	1,236,409,496	754,329,727	2,020,565,833
Animal products	4,231	102,657	197,189,519	1,158,872,220	369,545,771	1,543,930,584
Textiles and textile products	3,234	186,328	342,930,542	699,108,586	606,402,697	1,290,314,474
Wood and paper products	15,866	282,835	579,896,808	1,061,229,176	1,184,539,519	2,325,304,849
Iron and its products	2,658	205,474	678,324,105	1,197,956,713	1,219,303,992	2,468,376,349
Non-ferrous metal products	897	100,614	251,869,627	749,678,627	558,467,028	1,353,329,383
Non-metallic mineral products	1,097	42,691	104,377,854	469,437,193	261,691,705	780,188,518
Chemicals and allied products	1,022	40,499	98,568,559	238,377,149	279,038,860	536,156,674
Miscellaneous industries	884	27,077	52,596,820	62,161,902	97,247,135	161,426,636
Totals	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1954¹						
Vegetable products	5,825	145,842	400,492,625	1,459,144,653	1,067,282,575	2,563,927,081
Animal products	3,689	100,352	259,157,349	1,310,727,221	480,458,187	1,813,185,822
Textiles and textile products	3,407	169,465	391,920,356	723,169,806	632,435,702	1,378,303,384
Wood and paper products	17,198	287,317	881,030,481	1,561,744,936	1,763,010,994	3,430,311,344
Iron and its products	3,166	304,728	1,078,530,027	1,808,728,716	1,777,079,766	3,651,360,402
Non-ferrous metal products	1,030	125,569	440,700,922	1,114,549,500	949,893,993	2,127,716,961
Non-metallic mineral products	1,264	52,788	184,530,804	770,531,901	615,324,067	1,456,119,348
Chemicals and allied products	1,104	50,935	174,849,466	391,963,368	467,919,639	882,604,171
Miscellaneous industries	1,345	30,970	85,475,661	101,297,453	148,719,214	250,998,990
Totals	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
1956¹						
Vegetable products	5,947	151,772	453,174,210	1,619,799,848	1,216,615,214	2,861,852,540
Animal products	3,427	101,851	286,213,670	1,367,009,813	527,614,028	1,907,739,674
Textiles and textile products	3,238	176,882	439,759,775	873,492,379	715,261,988	1,598,529,035
Wood and paper products	16,480	304,246	1,024,834,795	1,908,756,169	2,025,815,009	4,044,274,969
Iron and its products	3,330	335,578	1,312,720,926	2,592,078,167	2,324,499,201	4,928,087,306
Non-ferrous metal products	1,054	139,367	530,892,540	1,697,211,076	1,245,264,753	2,952,350,337
Non-metallic mineral products	1,290	57,850	224,903,087	1,044,699,405	812,120,222	1,949,765,214
Chemicals and allied products	1,119	52,149	198,158,796	490,456,716	550,797,152	1,068,993,907
Miscellaneous industries	1,543	33,325	100,034,391	138,033,316	187,437,012	325,155,804
Totals	37,428	1,333,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986

¹ In 1952 the basis of collection was changed from "Value of products made" to "Value of factory shipments".

Subsection 3. Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials that cannot be grown in Canada, such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to non-ferrous metals so largely produced in Canada, the manufactures of iron and steel, or petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced indus-

trial organization is usually indicated by relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed, employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1956 the average salary and wage was \$3,883 for the mineral group and \$2,849 for the farm origin group.

**TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin
of Material Used, by Main Groups, Significant Years 1924 - 56**

Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Gross value of products
	No.	\$	No.	\$	\$	\$
1924						
Farm origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Mineral origin	2,806	1,010,517,944	136,837	171,068,497	349,800,585	700,002,097
Forest origin	6,973	876,149,932	126,907	147,719,245	245,183,429	544,282,597
Marine origin	836	20,304,785	11,157	3,344,348	16,089,332	26,637,962
Wild life origin	226	10,837,249	2,944	3,194,213	7,506,169	13,386,266
Mixed origin	1,305	204,716,127	57,277	55,927,609	101,563,384	200,718,177
Grand totals	20,709	2,895,317,508	487,610	534,467,675	1,436,190,791¹	2,584,306,764¹
Farm origin group:						
From field crop	4,595	525,717,571	89,436	87,789,237	433,443,376	691,513,259
From animal husbandry	4,068	247,073,900	63,052	65,424,526	282,604,516	407,766,406
Totals, farm origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Canadian origin	8,379	546,231,949	114,514	119,217,657	553,357,883	848,236,237
Foreign origin	284	226,559,522	37,974	33,996,106	162,690,009	251,043,428
1929						
Farm origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Mineral origin	3,219	1,550,662,908	218,879	304,027,803	678,683,203	1,392,499,868
Forest origin	7,353	1,148,558,242	163,863	191,044,307	313,086,964	722,289,066
Marine origin	730	28,644,442	16,367	5,411,555	21,496,859	34,966,280
Wild life origin	234	14,338,686	3,767	4,783,323	12,847,817	20,861,039
Mixed origin	1,639	293,302,865	81,973	83,717,174	150,947,887	316,080,314
Grand totals	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	3,883,446,116
Farm origin group:						
From field crops	5,191	697,206,163	114,236	115,201,292	496,842,580	889,075,246
From animal husbandry	3,850	272,178,703	67,446	73,105,463	355,763,503	507,694,323
Totals, farm origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Canadian origin	8,743	708,461,549	134,680	140,340,993	682,056,026	1,106,006,184
Foreign origin	298	260,923,317	47,002	47,965,762	170,550,057	290,763,385
1933						
Farm origin	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Mineral origin	3,539	1,306,641,651	130,565	138,101,092	271,434,337	601,428,003
Forest origin	7,796	882,445,602	102,807	99,046,012	313,550,374	335,886,257
Marine origin	620	15,532,775	4,064	2,287,385	10,960,289	17,380,323
Wild life origin	335	10,507,157	3,498	3,481,885	7,159,079	13,000,927
Mixed origin	1,795	219,550,595	69,122	55,619,701	89,802,145	194,423,805
Grand totals	23,780	3,279,259,838	468,658	436,247,824	967,788,928	1,954,075,785
Farm origin group:						
From field crops	5,746	609,044,529	93,433	81,655,182	263,007,043	494,048,930
From animal husbandry	3,949	235,537,529	65,169	56,056,567	191,875,661	297,907,540
Totals, farm origin	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Canadian origin	9,373	629,450,643	124,547	107,807,386	365,559,776	620,197,449
Foreign origin	322	215,131,415	34,055	29,904,363	89,322,928	171,759,021
1939						
Farm origin	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Mineral origin	3,474	1,498,265,618	210,752	280,054,303	669,728,573	1,321,444,094
Forest origin	8,430	951,016,933	142,091	160,798,500	244,944,997	572,335,960
Marine origin	523	21,479,200	5,369	3,638,794	18,114,698	28,816,536
Wild life origin	384	14,723,743	4,604	5,396,623	11,592,066	19,961,526
Mixed origin	1,791	208,609,063	75,088	70,197,968	113,528,916	242,232,391
Grand totals	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	3,474,783,528
Farm origin group:						
From field crops	6,096	649,746,486	124,708	128,311,033	410,994,461	759,964,866
From animal husbandry	4,107	303,183,406	95,502	91,413,932	367,255,664	530,028,155
Totals, farm origin	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Canadian origin	9,382	699,345,423	171,460	168,260,771	630,779,223	1,011,294,132
Foreign origin	821	253,584,469	46,750	49,464,194	147,470,902	276,698,689

¹ See footnote at end of table.

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-56 — Concluded

Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number			dollars		
1944						
Farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Mineral origin	4,479	634,542	1,208,779,764	2,258,796,792	2,312,260,844	4,708,104,244
Forest origin	10,347	186,680	278,171,969	495,531,476	541,521,976	1,082,160,284
Marine origin	535	9,664	10,327,695	45,906,542	22,066,801	68,882,879
Wild life origin	535	6,190	9,430,191	28,076,572	15,728,926	43,985,177
Mixed origin	2,258	98,050	128,195,442	223,007,600	253,202,359	481,828,520
Grand totals	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
Farm origin group:						
From field crops	6,307	164,514	226,751,705	888,435,918	563,349,320	1,477,008,962
From animal husbandry	4,022	123,242	167,964,604	892,578,456	307,645,784	1,211,722,453
Totals, farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Canadian origin	9,493	225,077	303,293,749	1,507,501,822	668,958,344	2,202,655,904
Foreign origin	836	62,679	91,422,560	273,512,552	202,036,760	486,075,511
1949						
Farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Mineral origin	5,936	453,960	1,147,317,944	2,652,681,878	2,315,722,610	5,133,084,333
Forest origin	15,487	255,671	562,316,999	1,051,100,174	1,158,202,397	2,288,386,108
Marine origin	599	11,856	16,969,825	69,090,041	41,140,022	111,961,148
Wild life origin	663	8,370	18,008,212	38,475,825	28,844,758	67,646,428
Mixed origin	3,104	128,777	238,980,627	367,830,957	458,665,655	835,769,392
Grand totals	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
Farm origin group:						
From field crops	6,165	175,715	348,944,897	1,414,938,794	863,950,508	2,313,027,879
From animal husbandry	3,858	136,858	259,352,153	1,249,163,395	464,040,484	1,729,718,012
Totals, farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Canadian origin	9,204	247,762	473,274,682	2,289,435,804	1,041,245,310	3,369,356,461
Foreign origin	819	64,811	135,022,368	374,666,385	286,745,682	673,389,430
1954²						
Farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Mineral origin	6,854	539,830	1,902,255,686	4,083,393,939	3,808,242,171	8,113,391,979
Forest origin	16,823	280,573	857,047,039	1,547,843,710	1,727,150,805	3,380,340,406
Marine origin	586	14,202	26,001,277	95,632,683	55,219,381	153,456,538
Wild life origin	598	6,431	17,348,494	37,022,130	26,595,921	64,099,781
Mixed origin	3,625	125,269	302,644,357	467,107,596	549,795,481	1,030,770,994
Grand totals	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
Farm origin group:						
From field crops	6,135	173,171	468,666,325	1,631,251,171	1,170,756,138	2,845,128,473
From animal husbandry	3,407	128,490	322,724,513	1,379,606,325	564,364,240	1,967,339,336
Totals, farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Canadian origin	8,612	242,239	624,181,936	2,617,517,447	1,377,694,249	4,041,115,667
Foreign origin	930	59,422	167,208,902	393,340,049	357,426,129	771,352,142
1956²						
Farm origin	9,520	314,308	895,469,715	3,288,193,503	1,960,806,742	5,299,072,621
Mineral origin	6,935	583,624	2,266,287,160	5,784,205,804	4,876,289,838	10,812,027,611
Forest origin	16,105	297,041	997,349,531	1,890,422,750	1,983,657,466	3,983,622,020
Marine origin	489	14,348	27,621,174	104,484,253	73,064,792	169,936,169
Wild life origin	538	5,703	17,421,903	40,102,758	26,982,782	67,367,781
Mixed origin	3,941	137,996	366,542,707	614,127,821	684,622,959	1,304,722,784
Grand totals	37,428	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986
Farm origin group:						
From field crops	6,265	181,579	532,955,678	1,826,443,433	1,341,554,828	3,198,507,817
From animal husbandry	3,255	132,729	362,514,037	1,461,750,070	619,251,914	2,100,564,804
Totals, farm origin	9,520	314,308	895,469,715	3,288,193,503	1,960,806,742	5,299,072,621
Canadian origin	8,565	250,314	698,613,546	2,784,993,918	1,527,873,168	4,358,802,872
Foreign origin	955	63,994	196,856,169	503,199,585	432,933,574	940,269,749

¹ For the year 1924 the figures for "Cost of Materials" and "Gross Value of Products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.

² In 1952 the basis of collection was changed from "Value of Products Made" to "Selling value of Factory Shipments".

Subsection 4. Manufactures Classified by Type of Ownership

The present report deals with the type of ownership under which Canadian manufacturers operate. The first survey in 1946 did not include the fish-curing and packing industry, information for which was not available at that time. For this reason the figures for 1946 are not strictly comparable with those for succeeding years, although the inclusion of that industry has not materially altered the percentage distribution of individual ownership, incorporated companies, etc.

Of the 37,428 establishments operating in 1956, 1,691 establishments in the periodical publishing industry were unclassifiable, leaving 35,737 establishments in the four

categories of ownership. Individual ownership numbered 14,788 establishments, partnerships 4,550, incorporated companies 15,497 and co-operatives 902. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1956. It is interesting to note that incorporated companies are becoming increasingly important, the percentage of the total number of establishments having risen from 33.4 in 1946 to 43.4 in 1956, while the other three categories declined in importance. This trend to incorporation is no doubt accentuated by the favourable income tax rate allowed companies on the first \$20,000 of income.

Year	Individual ownership	Partnerships	Incorporated companies	Co-operatives
1946 (estimated).....	47.3	16.0	33.4	3.3
1947.....	46.4	16.1	34.3	3.2
1948.....	46.2	16.4	34.4	3.0
1949.....	46.0	15.8	35.3	2.9
1950.....	45.6	15.0	36.3	3.1
1951.....	44.6	15.5	36.9	3.0
1952.....	44.9	15.4	36.9	2.8
1953.....	44.4	14.8	38.2	2.6
1954.....	43.6	14.3	39.5	2.6
1955.....	42.7	13.6	41.1	2.6
1956.....	41.4	12.7	43.4	2.5

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on under individual ownership. Industries conducted on a small scale

contain therefore a large number of establishments in this category, the percentage decreasing as the scale of operations increases, as the following statement shows.

No.	Group	Average number of employees per establishment	Percentage of individual ownership establishments to total
1	Wood products.....	12.2	59.0
2	Printing, publishing and allied industries.....	15.8	42.6
3	Miscellaneous manufacturing industries.....	21.5	36.1
4	Foods and beverages.....	22.8	45.1
5	Non-metallic mineral products.....	34.0	30.4
6	Clothing.....	35.6	26.6
7	Chemicals and allied products.....	46.7	15.6
8	Leather products.....	48.6	27.4
9	Iron and steel products.....	66.5	23.9
10	Textile mills.....	73.4	30.3
11	Knitting mills.....	76.6	14.7
12	Non-ferrous metal products.....	96.5	23.4
13	Paper products.....	165.0	8.1
14	Products of petroleum and coal.....	165.3	2.8
15	Electrical apparatus and supplies.....	176.1	8.0
16	Tobacco products.....	188.5	29.4
17	Transportation equipment.....	239.0	26.1
18	Rubber products.....	254.2	12.1
	All groups.....	37.7	41.4

It is therefore found, according to the above, that in the wood products group 59 p.c. of the establishments were under individual ownership. The foods and beverages group had 45 p.c. of its establishments in this classification, followed by the printing, publishing and allied trades with 43 p.c., miscellaneous industries 36 p.c., non-metallic mineral products 30 p.c., textile mills 30 p.c., tobacco and tobacco products 29 p.c., leather products, 27 p.c., clothing 27 p.c., transportation 26 p.c. etc. The petroleum and coal products group with only 2.8 of the total had the smallest number of establishments operating under individual ownership.

The establishments operating under individual ownership are not as important, from the point of view of employment provided, as their large numbers would indicate. According to tables 1 and 2, these establishments which comprise 41 p.c. of the total have only 5 p.c. of the total employees. Partnerships accounted for 13 p.c. of the number of establishments and

3 p.c. of the total employees. Incorporated companies with 43 p.c. of the number of establishments had 92 p.c. of the employees. Cooperatives with 2 p.c. of the establishments had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are, by a wide margin, the most important factor in the employment field. In the petroleum and coal products group practically 100 p.c. of the employees were reported by such companies, while the rubber, electrical apparatus and supplies, paper and transportation equipment groups had 99 p.c. Companies in the chemicals had 98 p.c., tobacco and tobacco products and non-ferrous metal products 97 p.c., iron and steel products 96 p.c., textile mills and knitting mills 95 p.c., non-metallic mineral products 94 p.c., leather products 91 p.c., miscellaneous industries 88 p.c., printing publishing and allied trades 87 p.c., clothing 85 p.c. and foods and beverages 83 p.c. Companies in the wood products group with 76 reported the lowest percentage of the total employment.

TABLE 15. Percentage Distribution of Establishments in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1956¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
Province	per cent				
Newfoundland	49.3	29.0	21.6	0.1	100.0
Prince Edward Island	45.0	18.0	29.6	7.4	100.0
Nova Scotia	50.9	14.2	33.0	1.9	100.0
New Brunswick	53.0	10.4	34.0	2.6	100.0
Quebec	46.5	10.3	39.3	3.9	100.0
Ontario	35.7	12.6	50.0	1.7	100.0
Manitoba	37.4	14.1	46.9	1.6	100.0
Saskatchewan	47.9	15.2	31.0	5.9	100.0
Alberta	44.3	15.4	37.0	3.3	100.0
British Columbia	35.9	14.8	48.3	1.0	100.0
Yukon and Northwest Territories	25.0	8.3	66.7	—	100.0
Canada	41.4	12.7	43.4	2.5	100.0
Industrial group					
Foods and beverages	45.1	10.5	33.7	10.7	100.0
Tobacco and tobacco products	29.4	2.0	64.7	3.9	100.0
Rubber products	12.1	4.4	83.5	—	100.0
Leather products	27.4	10.4	62.2	—	100.0
Textile mills	30.3	10.8	58.7	0.2	100.0
Knitting mills	14.7	8.0	77.3	—	100.0
Clothing	26.6	15.5	57.9	—	100.0
Wood products	59.0	16.7	24.2	0.1	100.0
Paper products	8.1	3.9	88.0	—	100.0
Printing, publishing and allied industries ¹	42.6	14.5	42.4	0.5	100.0
Iron and steel products	23.9	10.6	65.5	—	100.0
Transportation equipment	26.1	9.8	64.1	—	100.0
Non-ferrous metal products	23.4	10.9	65.7	—	100.0
Electrical apparatus and supplies	8.0	2.6	89.4	—	100.0
Non-metallic mineral products	30.4	11.7	57.7	0.2	100.0
Products of petroleum and coal	2.8	—	96.3	0.9	100.0
Chemicals and allied products	15.6	3.8	80.2	0.4	100.0
Miscellaneous manufacturing industries	36.1	12.3	51.4	0.2	100.0

¹ Four main categories of ownership only; the non-classifiable group is not included.**TABLE 16. Percentage Distribution of Employment in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1956¹**

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
	per cent				
Province					
Newfoundland	6.2	4.8	89.0	—	100.0
Prince Edward Island	17.3	10.1	65.6	7.0	100.0
Nova Scotia	8.5	3.2	87.3	1.0	100.0
New Brunswick	9.1	2.8	86.5	1.6	100.0
Quebec	6.1	2.8	90.3	0.8	100.0
Ontario	3.2	2.1	94.4	0.3	100.0
Manitoba	4.6	3.4	91.1	0.9	100.0
Saskatchewan	9.2	5.0	74.0	11.8	100.0
Alberta	8.0	4.8	84.9	2.3	100.0
British Columbia	4.9	3.2	90.1	1.8	100.0
Yukon and Northwest Territories	13.7	—	86.3	—	100.0
Canada	4.8	2.6	91.8	0.8	100.0
Industrial group					
Foods and beverages	8.8	3.3	83.0	4.9	100.0
Tobacco and tobacco products	0.6	—	97.4	2.0 ^a	100.0
Rubber products	0.3	—	99.7	—	100.0
Leather products	5.6	3.4	91.0	—	100.0
Textile mills	2.6	1.7	95.7	—	100.0
Knitting mills	1.8	2.8	95.4	—	100.0
Clothing	7.4	7.6	85.0	—	100.0
Wood products	16.1	7.6	76.0	0.3	100.0
Paper products	0.3	0.2	99.5	—	100.0
Printing, publishing and allied industries ¹	8.0	4.2	87.0	0.8	100.0
Iron and steel products	2.0	1.5	96.5	—	100.0
Transportation equipment	0.4	0.3	99.3	—	100.0
Non-ferrous metal products	1.2	0.9	97.9	—	100.0
Electrical apparatus and supplies	0.2	0.2	99.6	—	100.0
Non-metallic mineral products	3.5	2.4	94.1	—	100.0
Products of petroleum and coal	—	—	100.0	—	100.0
Chemicals and allied products	1.0	0.4	98.2	0.4	100.0
Miscellaneous manufacturing industries	7.3	3.9	88.6	0.2	100.0

¹ Four main categories of ownership only; the non-classifiable group is not included.² Includes partnerships.

TABLE 17. Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership, 1930

No.	Industry	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
				per cent		
1	Pulp and paper mills	—	—	100.0	—	100.0
2	Non-ferrous metal smelting and refining	—	—	100.0	—	100.0
3	Petroleum products	—	—	100.0 ^{1,3}	—	100.0
4	Motor vehicles	—	—	100.0	—	100.0
5	Slaughtering and meat packing	0.7	1.2	96.2	1.9	100.0
6	Primary iron and steel	—	—	100.0	—	100.0
7	Sawmills	24.5	10.6	64.4	0.5	100.0
8	Butter and cheese	8.5	3.6	84.0	23.9	100.0
9	Miscellaneous electrical apparatus	0.2	0.3	99.5	—	100.0
10	Rubber goods, including footwear	0.3	—	99.7	—	100.0
11	Aircraft and parts	0.1	—	99.9	—	100.0
12	Railway rolling stock	—	—	100.0	—	100.0
13	Miscellaneous food preparations	2.1	0.9	97.0	—	100.0
14	Motor vehicle parts	0.9	0.4	98.7	—	100.0
15	Machinery, industrial	0.9	0.5	98.6	—	100.0
16	Bakeries	24.4	7.2	68.1	0.3	100.0
17	Printing and publishing	4.9	1.9	92.8	0.4	100.0
18	Furniture	11.5	6.5	82.0	—	100.0
19	Sheet metal products	1.8	1.1	97.1	—	100.0
20	Clothing, men's factory	2.6	5.8	91.6	—	100.0
21	Machinery, heavy electrical	0.2 ²	—	99.8	—	100.0
22	Fruit and vegetable preparations	4.2	1.9	90.8	3.1	100.0
23	Telecommunication equipment	0.3	0.1	99.6	—	100.0
24	Brass and copper products	1.5	1.5	97.0	—	100.0
25	Iron castings	1.6	1.0	97.4	—	100.0
26	Sash, door and planing mills	14.5	7.0	78.5 ³	—	100.0
27	Boxes and bags, paper	1.0	1.1	97.9	—	100.0
28	Clothing, women's factory	4.4	5.5	90.1	—	100.0
29	Cotton yarn and cloth	0.1 ²	—	99.9	—	100.0
30	Miscellaneous chemical products	1.5	0.1	98.4	—	100.0
31	Flour mills	1.1	1.9	97.0 ³	—	100.0
32	Feeds, stock and poultry, prepared	16.7	7.5	55.7	20.1	100.0
33	Breweries	—	—	100.0	—	100.0
34	Fabricated and structural steel	—	—	100.0 ²	—	100.0
35	Acids, alkalies and salts	—	—	100.0	—	100.0
36	Fish curing and processing	7.6	1.9	83.4	7.1	100.0
37	Tobacco, cigars and cigarettes	1.2 ²	—	98.8	—	100.0
38	Synthetic silks	—	—	100.0 ¹	—	100.0
39	Wire and wire goods	1.7	2.3	96.0	—	100.0
40	Hardware tools and cutlery	3.0	2.3	94.7	—	100.0

¹ Includes Individual ownership.² Includes Partnerships.³ Includes Co-operatives.

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1936

Provinces	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Canada:						
Individual ownership	14,788	63,992	129,680,934	11,754,957	286,973,727	517,835,002
Partnerships	4,550	35,738	81,934,965	5,687,226	174,888,139	313,965,619
Incorporated companies	15,497	1,236,550	4,317,716,007	502,039,587	11,026,183,492	20,475,152,128
Co-operatives	902	10,754	27,678,822	4,458,936	203,503,600	264,786,231
Not classifiable ¹	1,691	5,986	13,681,462	—	29,987,931	65,010,006
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986
Newfoundland:						
Individual ownership	379	647	726,869	73,730	1,013,970	2,288,816
Partnerships	222	506	383,001	35,622	628,637	1,316,336
Incorporated companies	166	9,321	29,320,835	6,868,062	53,699,516	119,850,818
Co-operatives	1	—	—	—	109,833	235,374
Not classifiable ¹	15	28	32,030	—	—	—
Totals	783	10,502	30,462,735	6,977,414	55,451,956	123,691,344
Prince Edward Island:						
Individual ownership	85	307	409,279	45,967	1,632,959	2,375,520
Partnerships	34	180	257,656	34,491	700,268	1,172,095
Incorporated companies	56	1,164	2,393,375	298,991	13,209,362	18,115,649
Co-operatives	14	123	173,044	21,979	2,256,895	2,825,522
Not classifiable ¹	3	1	50	—	7,358	8,459
Totals	192	1,775	3,233,404	401,428	17,806,842	24,497,245

¹ Consists of the industry "Publishing (only) of Periodicals".

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1956 — Concluded

Provinces	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Nova Scotia:						
Individual ownership	680	2,625	4,067,736	415,778	10,903,643	18,555,712
Partnerships	190	973	1,472,798	150,043	4,425,213	7,075,581
Incorporated companies	442	26,906	77,943,262	12,717,774	196,652,639	355,008,411
Co-operatives	25	323	415,772	62,726	2,572,419	3,415,381
Not classifiable ¹	65	110	48,942	—	225,155	343,018
Totals	1,402	30,937	83,948,510	13,346,321	214,779,069	384,398,103
New Brunswick:						
Individual ownership	519	2,052	3,010,604	369,310	9,488,532	15,162,799
Partnerships	102	629	985,974	80,369	2,089,922	3,773,704
Incorporated companies	333	19,480	56,389,468	13,683,005	157,647,283	285,402,284
Co-operatives	25	359	625,256	117,975	7,023,134	8,621,411
Not classifiable ¹	25	40	51,999	—	191,435	320,401
Totals	1,004	22,560	61,063,301	14,250,659	176,440,306	313,280,599
Quebec:						
Individual ownership	5,400	26,857	51,928,250	4,524,998	126,524,059	221,076,529
Partnerships	1,195	12,593	28,421,668	1,719,599	61,719,564	109,530,755
Incorporated companies	4,570	400,248	1,300,893,400	173,656,657	3,326,836,274	6,164,317,067
Co-operatives	454	3,508	7,161,204	1,149,101	75,457,695	92,639,318
Not classifiable ¹	493	2,931	8,010,042	—	14,984,074	34,939,030
Totals	12,112	446,137	1,396,414,564	181,050,355	3,605,521,666	6,622,502,699
Ontario:						
Individual ownership	4,487	20,266	46,149,367	4,082,845	97,675,615	176,857,622
Partnerships	1,579	13,629	34,368,842	2,283,905	77,134,020	134,638,996
Incorporated companies	6,289	603,316	2,220,812,397	222,085,177	5,459,596,546	10,273,015,644
Co-operatives	212	1,901	5,147,517	904,019	38,694,238	48,918,386
Not classifiable ¹	648	2,078	4,156,273	—	10,652,669	21,667,972
Totals	13,215	641,190	2,310,634,396	229,355,946	5,683,753,088	10,655,098,620
Manitoba:						
Individual ownership	528	1,952	3,941,769	379,148	8,432,771	15,169,661
Partnerships	199	1,433	3,223,178	245,299	6,881,929	12,147,156
Incorporated companies	662	38,867	124,968,973	12,697,742	343,966,989	609,186,225
Co-operatives	22	388	1,043,429	180,090	6,857,926	9,320,383
Not classifiable ¹	123	181	328,622	—	885,151	1,565,760
Totals	1,534	42,821	133,505,971	13,502,279	367,024,766	647,389,185
Saskatchewan:						
Individual ownership	361	1,061	2,017,599	194,601	2,519,818	6,091,786
Partnerships	114	577	1,310,085	132,355	2,454,323	4,979,932
Incorporated companies	233	8,494	28,801,942	6,868,982	144,499,730	249,174,555
Co-operatives	44	1,344	4,451,253	1,040,554	27,047,159	37,451,260
Not classifiable ¹	46	60	102,504	—	350,158	525,956
Totals	798	11,536	36,683,383	8,236,492	176,871,188	298,203,489
Alberta:						
Individual ownership	826	2,928	5,803,777	563,948	10,695,786	21,175,943
Partnerships	288	1,750	3,827,261	307,578	6,536,520	13,521,270
Incorporated companies	690	31,080	108,036,689	12,872,401	377,030,255	645,475,628
Co-operatives	62	835	2,290,619	270,584	17,143,546	21,687,980
Not classifiable ¹	105	199	236,759	—	732,140	1,327,918
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	703,188,739
British Columbia:						
Individual ownership	1,517	5,282	11,579,924	1,102,052	18,967,954	39,004,259
Partnerships	625	3,459	7,664,484	694,033	12,301,524	25,754,395
Incorporated companies	2,040	97,542	367,587,211	40,119,885	949,332,109	1,750,800,676
Co-operatives	43	1,954	6,323,528	700,771	26,330,801	39,733,018
Not classifiable ¹	168	358	714,241	—	1,849,958	4,076,118
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	1,859,368,466
Yukon and Northwest Territories:						
Individual ownership	6	24	65,778	6,512	34,839	131,754
Partnerships	2					
Incorporated companies	16	151	615,655	182,048	3,832,576	4,998,743
Totals	24	175	681,433	188,560	3,867,415	5,130,497

¹ Consists of the industry "Publishing (only) of Periodicals".

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by type of Ownership 1956

Industrial groups	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
1. Foods and beverages:						
Individual ownership	3,616	16,054	29,789,389	5,502,619	125,008,576	182,231,077
Partnerships	846	6,116	13,309,157	2,130,907	63,852,818	90,362,474
Incorporated companies	2,706	151,939	466,599,722	47,335,942	2,102,416,481	3,321,743,146
Co-operatives	855	8,899	21,935,991	3,561,975	182,896,194	232,865,558
Totals	8,023	183,008	531,634,259	58,531,443	2,474,174,069	3,826,702,255
2. Tobacco and tobacco products:						
Individual ownership	15	92	185,542	9,647	215,696	483,161
Partnerships	1					
Incorporated companies	33	9,521	30,123,313	745,936	149,895,803	238,759,711
Co-operatives	2					
Totals	51	9,613	30,308,855	755,583	150,111,499	239,242,872
3. Rubber products:						
Individual ownership	11	78	188,740	12,078	214,151	492,952
Partnerships	4	8	13,221	640	24,534	63,342
Incorporated companies	76	23,050	81,952,928	4,871,452	160,447,901	355,027,521
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
4. Leather products:						
Individual ownership	177	1,750	3,715,125	100,312	6,160,423	11,555,402
Partnerships	67	1,070	2,370,787	66,517	3,769,089	7,255,383
Incorporated companies	402	28,564	68,884,122	2,130,694	113,871,320	218,221,220
Totals	646	31,384	74,970,034	2,297,523	123,790,832	237,031,985
5. Textile mills:						
Individual ownership	292	1,825	3,718,744	225,343	6,609,388	13,586,700
Partnerships	104	1,201	2,730,119	144,868	4,441,284	8,777,800
Incorporated companies	567	67,847	192,878,647	14,639,321	419,369,418	744,612,627
Co-operatives	2					
Totals	965	70,873	199,327,510	15,009,532	430,420,090	766,977,127
6a. Knitting mills:						
Individual ownership	42	400	784,597	33,026	1,610,957	2,991,973
Partnerships	23	609	1,316,966	23,678	3,112,363	5,511,166
Incorporated companies	221	20,904	47,536,394	1,856,523	79,202,700	156,646,588
Totals	286	21,913	49,637,957	1,913,227	83,926,020	165,149,727
6b. Clothing:						
Individual ownership	671	6,689	13,334,781	317,198	22,568,106	44,068,562
Partnerships	391	6,857	16,003,884	289,809	29,470,504	53,845,004
Incorporated companies	1,463	76,253	178,877,546	2,611,035	347,210,417	635,856,396
Totals	2,525	89,799	208,216,211	3,218,042	399,249,027	733,769,962
7. Wood products:						
Individual ownership	6,548	21,842	39,480,645	3,393,548	87,053,217	161,753,418
Partnerships	1,853	10,261	20,060,975	1,566,103	39,682,403	75,357,470
Incorporated companies	2,684	103,053	315,831,686	15,243,406	659,576,164	1,205,257,920
Co-operatives	18	407	975,961	66,328	2,153,540	4,243,752
Totals	11,103	135,583	376,349,267	20,269,385	788,463,324	1,446,812,560
8. Paper products:						
Individual ownership	46	254	569,165	29,249	1,119,465	2,048,121
Partnerships	22	251	618,766	29,327	1,290,672	2,321,574
Incorporated companies	500	93,200	385,698,485	107,429,233	882,646,124	1,883,241,305
Totals	568	93,705	386,886,416	107,487,809	883,056,261	1,887,611,000
9. Printing, publishing and allied industries:						
Individual ownership	1,232	5,282	13,596,009	544,320	9,396,727	31,622,892
Partnerships	420	2,798	7,744,085	254,724	5,505,492	17,526,562
Incorporated companies	1,228	57,790	217,648,621	4,690,829	179,066,486	570,631,359
Co-operatives	14	505	1,701,948	38,764	1,244,958	3,643,444
Not classifiable ¹	1,691	5,986	13,681,462	—	29,987,931	65,010,006
Totals	4,585	72,361	254,372,125	5,528,637	225,201,594	688,434,263
10. Iron and steel products:						
Individual ownership	709	3,940	10,050,529	611,952	8,879,811	24,923,371
Partnerships	313	2,953	8,588,595	466,508	11,108,745	24,844,285
Incorporated companies	1,940	190,025	747,736,963	64,261,523	1,295,825,197	2,707,001,841
Co-operatives	1					
Totals	2,963	196,918	766,376,087	65,339,983	1,315,813,753	2,756,769,477
11. Transportation equipment:						
Individual ownership	154	623	1,428,638	78,583	1,575,115	3,658,407
Partnerships	58	362	900,923	38,457	1,255,367	2,409,713
Incorporated companies	379	140,272	551,242,265	21,229,036	1,283,466,922	2,186,866,855
Totals	591	141,257	553,571,826	21,346,076	1,286,297,404	2,192,934,975

¹ Consists of Industry "Publishing (only) of Periodicals".

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by type of Ownership 1956 — Concluded

Industrial groups	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
12. Non-ferrous metal products:						
Individual ownership	136	666	1,734,997	86,241	2,529,501	5,247,399
Partnerships	63	507	1,365,373	63,038	2,354,001	4,619,195
Incorporated companies	382	54,898	217,269,370	70,637,756	1,124,078,054	1,852,289,568
Totals	581	56,071	220,369,740	70,787,035	1,128,961,556	1,862,156,162
13. Electrical apparatus and supplies:						
Individual ownership	38	190	455,716	20,004	1,175,810	1,823,995
Partnerships	12	161	433,782	13,675	705,212	1,409,315
Incorporated companies	423	82,945	309,633,302	9,130,588	556,368,498	1,086,960,865
Totals	473	83,296	310,522,800	9,164,267	558,249,520	1,090,194,175
14. Non-metallic mineral products:						
Individual ownership	360	1,410	3,222,703	376,430	3,945,472	9,736,953
Partnerships	139	950	2,415,053	422,418	2,903,184	7,500,826
Incorporated companies	683	37,805	137,585,407	45,500,402	200,023,835	555,301,332
Co-operatives	1					
Totals	1,183	40,165	143,223,163	46,299,250	206,872,491	572,539,111
15. Products of petroleum and coal:						
Individual ownership	3	17,685	81,679,924	50,360,263	837,826,914	1,377,226,103
Incorporated companies	103					
Co-operative	1					
Totals	107	17,685	81,679,924	50,360,263	837,826,914	1,377,226,103
16. Chemicals and allied products:						
Individual ownership	176	493	1,179,868	97,980	2,192,833	4,773,761
Partnerships	43	236	564,293	32,498	594,522	1,575,250
Incorporated companies	907	51,884	198,233,645	36,444,412	520,748,515	1,099,930,429
Co-operative	5	208	764,841	64,047	4,028,357	4,953,964
Totals	1,131	52,821	200,742,647	36,638,937	527,564,227	1,111,233,404
17. Miscellaneous manufacturing industries:						
Individual ownership	562	2,436	6,332,440	316,946	6,788,261	17,020,187
Partnerships	191	1,340	3,398,999	141,916	4,741,502	10,368,102
Incorporated companies	800	29,605	90,513,773	3,649,382	127,273,138	298,933,130
Co-operatives	3	51	103,268	1,300	66,821	258,594
Totals	1,556	33,432	100,348,480	4,109,544	138,869,722	326,580,013

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1956, from the standpoint of gross value of pro-

duction or value of shipments is compared with their respective ranks in significant years since 1922.

Industry	Rank in						
	1956	1949	1944	1939	1933	1929	1922
Pulp and paper	1	1	5	2	1	1	2
Non-ferrous metal smelting and refining	2	3	2	1	2	9	¹
Petroleum products	3	5	14	6	6	10	9
Motor vehicles	4	4	7	5	11	4	6
Slaughtering and meat packing	5	2	1	3	3	2	3
Primary iron and steel	6	8	13	11	31	16	20
Sawmills	7	6	11	8	14	5	4
Butter and cheese	8	7	10	4	5	6	5
Miscellaneous electrical apparatus and supplies	9	19	²	²	²	²	²
Rubber goods, including footwear	10	15	15	14	4	11	21

¹ Did not rank among the forty leading industries that year.

² This industry was not classified separately but was included with electrical apparatus and supplies.

A prominent feature of Canadian Manufacturing development during the past twenty-five years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base-metal resources of the country, has taken its place among the leading manufactures, along with the industries based upon forest, agricultural and live-stock resources. Another feature of this development in manufacturing production is the rise of the petroleum products industry from fourteenth place in 1944 to third place since 1954. This is the direct result of the recent discoveries and development of the large oil resources of the Prairie Provinces and the rapid industrialization of Canada during the past decade.

The incidence of the depression resulted in a re-arrangement of the ranking of many industries which in some cases has proved to be temporary. During the war, the industries engaged in producing the equipment needed by the armed forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. When the war ended, the industries engaged in the production of consumer goods, by reason of the expanded demand for their products, bettered their position. Pulp and paper, after a lapse of a number of years, resumed its premier position.

The impetus given to Canadian manufacturing production by the Korean war is reflected in the advance of the aircraft industry to ninth position. This industry which did not rank

among the forty leading industries before World War II was in fourth place in 1944 and sixteenth place in 1952. The shipbuilding industry also bettered its position as a result of the defence program occasioned by the Korean war. This industry which did not rank among the forty leading industries in 1949 advanced to thirty-fourth place in 1952 and 1954. With the slackening in defence spending, operations declined with the result that in 1955 and 1956 this industry, again, did not rank among the forty leading industries.

The recovery in 1955 and 1956 from the minor recession experienced in 1954 resulted in some major changes in the ranking of the leading industries. Volume output of durable goods industries advanced by 17.2 p.c. as compared with 10.8 p.c. for non-durable goods. Pulp and paper, non-ferrous metal smelting and refining, and petroleum products had the same rank in 1956 as in 1954. Motor vehicles advanced from fifth to fourth place, primary iron and steel from eighth to sixth place, miscellaneous electrical apparatus and supplies from thirteenth to ninth place, and rubber goods from fourteenth to tenth place. A number of the industries producing non-durable goods declined in relative importance. Slaughtering and meat packing dropped from fourth to fifth place, sawmills from sixth to seventh place, butter and cheese from seventh to eighth place, miscellaneous food preparations from tenth to thirteenth place, and aircraft from ninth to eleventh place.

TABLE 20. Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Selling Value of Factory Shipments, 1956

No.	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		number			dollars		
1	Pulp and paper	126	65,985	297,571,944	625,205,442	736,346,393	1,453,441,726
2	Non-ferrous metal smelting and refining	23	30,793	130,139,944	820,604,322	511,018,353	1,396,565,178 ²
3	Petroleum products	61	13,925	66,341,638	766,375,257	444,427,813	1,253,793,979 ²
4	Motor vehicles	16	35,099	149,948,223	697,299,987	298,259,463	988,143,273
5	Slaughtering and meat packing	154	24,667	90,471,885	667,993,524	171,398,415	844,888,684
6	Primary iron and steel	50	36,043	162,880,867	301,298,582	352,522,996	680,860,470
7	Sawmills	6,629	57,078	153,809,204	350,745,728	279,710,804	639,414,360 ²
8	Butter and cheese	1,369	20,135	58,430,883	319,962,639	101,805,614	431,255,262
9	Miscellaneous electrical apparatus and supplies	161	26,501	99,639,414	205,428,688	199,624,836	393,561,949
10	Rubber goods, including footwear	91	23,136	82,154,889	160,686,586	198,602,139	355,583,815
11	Aircraft and parts	52	35,563	146,428,014	138,155,854	212,699,685	354,510,085 ²
12	Railway rolling stock	29	28,118	100,729,171	207,028,080	134,093,999	345,516,206 ²
13	Miscellaneous food preparations	301	9,678	30,460,603	229,523,992	102,842,139	334,668,066
14	Motor vehicle parts	198	21,471	82,361,857	177,584,923	154,511,216	329,525,120
15	Machinery, industrial	329	26,575	102,884,112	142,776,773	200,479,761	329,447,227
16	Bread and other bakery products	2,624	35,456	93,759,028	145,925,800	150,249,262	306,805,298
17	Printing and publishing	763	30,907	116,025,853	83,988,564	218,964,666	305,326,585
18	Furniture	1,890	32,724	93,468,751	148,015,272	148,496,496	297,554,404
19	Sheet metal products	381	20,012	73,745,487	162,747,069	135,728,461	296,043,128
20	Clothing, men's factory	551	32,041	75,171,943	155,425,652	118,934,426	272,145,915
21	Machinery, heavy, electrical	74	23,636	95,729,972	116,074,348	163,584,152	261,832,208
22	Fruit and vegetable preparations	446	16,750	39,969,038	150,499,615	96,044,778	249,883,547
23	Telecommunication equipment	125	21,403	72,568,917	135,182,456	119,323,007	244,762,934
24	Brass and copper products	154	9,220	34,729,361	173,601,665	69,497,906	244,096,116
25	Castings, iron	199	17,361	66,815,656	123,391,722	122,732,230	244,028,587
26	Sash, door and planing mills	1,805	19,942	54,704,518	151,697,647	89,172,259	243,381,166
27	Boxes and bags, paper	215	15,529	48,851,694	150,435,248	90,933,771	241,444,038
28	Clothing, women's factory	683	25,821	63,223,780	132,960,064	106,186,011	237,611,438
29	Cotton yarn and cloth	50	21,939	59,458,812	144,017,345	87,365,325	236,360,054
30	Miscellaneous chemical products, n.e.s.	259	12,457	46,029,320	116,206,917	101,529,704	226,427,832
31	Printing and bookbinding	1,840	25,357	83,403,430	81,272,057	139,473,551	221,879,981
32	Flour mills	76	4,572	15,102,725	187,100,113	33,071,027	221,769,944
33	Feeds, stock and poultry	814	6,612	17,542,559	171,048,793	47,033,133	220,556,245
34	Breweries	59	8,724	36,770,347	53,046,993	161,030,802	215,897,007
35	Bridge and structural steel work	51	13,707	58,440,200	103,229,597	99,728,554	204,771,553 ²
36	Acids, alkalies and salts	48	9,083	40,664,572	85,087,630	96,705,138	193,541,164
37	Fish processing	489	14,348	27,621,174	104,484,253	73,064,792	169,936,169
38	Tobacco, cigars and cigarettes	35	7,828	26,447,523	89,837,143	79,120,370	169,528,803
39	Synthetic textiles and silk	47	15,694	49,115,583	76,492,980	79,629,177	161,611,495
40	Wire and wire goods	133	10,195	39,801,217	89,906,441	72,529,912	160,458,338
	Totals, leading industries	23,405	906,080	3,183,414,108	8,942,245,761	6,798,042,536	15,978,384,349
	Totals, all industries	37,428	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986

¹ See footnote 1, Table 1.

² Reported on a production basis.

SECTION 4. PRINCIPAL FACTORS IN MANUFACTURING PRODUCTION

The subjects treated under this Section include capital, employment, salaries and wages, size of establishments and power and fuel used in manufacturing.

Subsection 1. Capital and Repair Expenditures

Prior to 1944 the following information on capital investment was collected: Fixed Capital—Land, buildings, fixtures, machinery, tools and other equipment, Working Capital—(1) Inventory value of raw materials, stocks in process, fuel and miscellaneous supplies on hand; (2) Inventory value of finished products; (3) Cash, bills and accounts receivable, prepaid expenses, etc. This was replaced by the collection of statistics on the expenditure on fixed capital and repairs.

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000 and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

Capital expenditures by manufacturers in 1956 totalled \$487,700,000 for construction and \$906,100,000 for machinery

and equipment, while \$577,800,000 went for repairs. Of the total capital expenditures, amounting to \$1,393,800,000 in 1956, 18.5 p.c. was reported by paper products, 11.7 p.c. by iron and steel products, 10.4 p.c. by chemicals and allied products, 8.6 p.c. by non-metallic mineral products, 8.4 p.c. by non-ferrous metal products, 7.8 p.c. by foods and beverages, 6.7 p.c. by products of petroleum and coal, 4.3 p.c. by transportation equipment, 3.6 p.c. by wood products, etc.

Of the groups reporting capital expenditures of \$50,000,000 or more in 1956 eight reported increases and only one, viz. products of petroleum and coal reported a decrease of \$16,000,000. Of the groups reporting increases, paper products with \$118,700,000 led the list, followed by chemicals and allied products with \$88,600,000, non-metallic mineral products \$72,500,000, iron and steel products \$67,300,000, non-ferrous metal products \$33,500,000, wood products \$7,900,000, transportation equipment \$6,000,000, and foods and beverages \$5,200,000. Rubber products with expenditures of \$13,900,000 was the only other group to report a decline which amounted to \$1,200,000.

Variation in Capital Expenditure 1956 Compared with 1955

Group	1956	1955	Variation
		\$'000,000	
Paper products	257.4	138.7	+118.7
Iron and steel products	162.5	95.2	+ 67.3
Chemicals and allied products	144.9	56.3	+ 88.6
Non-metallic mineral products	120.0	47.5	+ 72.5
Non-ferrous metal products	117.4	83.9	+ 33.5
Foods and beverages	109.1	103.9	+ 5.2
Products of petroleum and coal	93.0	109.0	- 16.0
Transportation equipment	60.3	54.3	+ 6.0
Wood products	50.8	42.9	+ 7.9
All groups	1,393.8	946.3	+447.5

Capital expenditures in 1956 increased by \$447,500,000, the highest on record. This compares with an increase of \$124,200,000 in 1955 and declines of \$146,900,000 in 1954 and \$3,600,000 in 1953. These declines were preceded by an increase of \$180,000,000 in 1952 and \$290,100,000 in 1951. The above table gives the capital expenditures of the major groups in 1956 reporting \$50,000,000 or more, together with the expenditures of these groups in 1955.

Expenditures on capital assets which averaged \$983,000,000 during the past six years reflect the expansion and modernization which the manufacturing industries of Canada have experienced. Although the expansion was at a rapid rate, not all provinces, however, shared in this expansion at an equal rate. Newfoundland had relatively the highest capital expenditures of any province, the percentage of capital expenditures to the value of factory shipments during the period 1950-54

being 11.0 more than double the Canada average. Alberta with 10.7 was in second place and British Columbia with 7.3 was in third place. Ontario and Saskatchewan equalled the Canada average of 4.9, while Prince Edward Island, Nova Scotia, New Brunswick, Quebec and Manitoba were below this figure.

Some changes in the pattern of capital expenditures was evident in 1955 and 1956. All provinces, with the exception of Newfoundland and Prince Edward Island, reported higher expenditures in dollar values. Alberta with 13.1 p.c. displaced Newfoundland from the premier position as regards capital expenditures as a percentage of value of shipments. With the exception of Newfoundland, Prince Edward Island and Saskatchewan, all provinces reported increases in the percentage of capital expenditures in relation to shipments. For Canada as a whole the percentage rose from 4.9 in the 1950-54 period to 5.7 in the 1955-56 period.

Comparison of Capital Expenditures with Value of Factory Shipments, 1950-1956

Province	Annual average, 1950-54			Annual average, 1955-56		
	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments
	\$'000,000		p.c.	\$,000,000		p.c.
Newfoundland	10.9	98.7	11.0	9.4	119.6	7.9
Prince Edward Island	0.7	22.2	3.2	0.4	24.1	1.7
Nova Scotia	12.0	301.3	4.0	23.7	357.8	6.6
New Brunswick	11.6	289.6	4.0	14.3	304.1	4.9
Quebec	194.2	5,008.5	3.9	300.4	6,272.4	4.8
Ontario	401.2	8,135.9	4.9	520.9	10,136.4	5.1
Manitoba	17.0	553.5	3.1	26.3	617.9	4.3
Saskatchewan	12.5	255.0	4.9	14.1	296.7	4.8
Alberta	53.9	502.1	10.7	87.8	672.2	13.1
British Columbia	97.8	1,342.3	7.3	172.6	1,769.4	9.8
Canada	811.8	16,506.5	4.9	1,170.0	20,575.3	5.7

TABLE 21. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1956, with Totals for 1944-55

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
1944	61.3	150.1	211.4	60.7	173.5	234.2
1945	75.9	204.2	280.1	63.1	170.6	233.7
1946	132.2	205.0	337.2	56.8	164.3	221.1
1947	184.7	343.2	527.9	62.4	210.7	273.1
1948	184.8	394.2	579.0	78.9	253.9	332.8
1949	156.6	379.2	535.8	66.7	267.2	333.9
1950	135.4	367.1	502.5	67.6	279.0	346.6
1951	267.6	525.0	792.6	85.0	337.0	422.0
1952	343.6	629.0	972.6	95.2	363.5	458.7
1953	324.5	644.5	969.0	94.6	385.5	480.1
1954	287.6	534.5	822.1	97.6	390.9	488.5
1955	344.5	601.8	946.3	100.6	413.0	513.6
Provinces, 1956						
Newfoundland	1.7	7.8	9.5	1.6	5.1	6.7
Prince Edward Island	—	0.2	0.2	—	0.2	0.2
Nova Scotia	15.8	9.4	25.2	5.9	9.0	14.9
New Brunswick	4.5	12.7	17.2	1.5	9.2	10.7
Quebec	114.1	222.6	336.7	30.2	130.8	161.0
Ontario	189.2	440.9	630.1	49.7	239.2	288.9
Manitoba	9.2	15.0	24.2	3.9	9.3	13.2
Saskatchewan	6.7	12.6	19.3	2.2	2.1	4.3
Alberta	55.5	58.6	114.1	5.9	10.9	16.8
British Columbia	91.0	126.3	217.3	11.3	49.8	61.1
Totals	487.7	906.1	1,393.8	112.2	465.6	577.8
Industrial groups, 1956						
Foods and beverages	32.6	76.5	109.1	12.2	45.0	57.2
Tobacco and tobacco products	3.5	4.7	8.2	0.9	2.1	3.0
Rubber products	2.9	11.0	13.9	1.1	7.4	8.5
Leather products	1.8	2.5	4.3	0.7	2.5	3.2
Textile products (except clothing)	10.3	28.0	38.3	3.4	17.1	20.5
Clothing (textile and fur) ¹	1.3	8.4	9.7	1.2	4.4	5.6
Wood products	14.0	36.8	50.8	7.4	28.8	36.2
Paper products	85.1	172.3	257.4	10.3	85.6	95.9
Printing, publishing and allied industries	5.3	20.2	25.5	1.6	5.5	7.1
Iron and steel products	40.3	122.2	162.5	15.4	93.5	108.9
Transportation equipment	16.7	43.6	60.3	10.6	32.0	42.6
Non-ferrous metal products	62.4	55.0	117.4	11.4	50.9	62.3
Electrical apparatus and supplies	14.7	26.8	41.5	3.8	15.6	19.4
Non-metallic mineral products	51.4	68.6	120.0	3.0	31.7	34.7
Products of petroleum and coal	83.9	9.1	93.0	21.6	8.1	29.7
Chemicals and allied products	57.9	87.0	144.9	6.2	31.9	38.1
Miscellaneous industries	3.6	8.7	12.3	1.4	3.5	4.9
Capital items charged to operating expense	—	124.7	124.7	—	—	—

¹ Includes "Knitting Mills".

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-56

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Newfoundland:						
1948 ¹	—	—	—	—	—	—
1949	2.3	6.0	8.3	1.5	3.6	5.1
1950	2.0	5.5	7.5	1.0	3.0	4.0
1951	3.4	6.4	9.8	1.2	4.2	5.4
1952	5.4	9.7	15.1	0.9	8.5	9.4
1953	5.2	8.1	13.3	1.6	4.1	5.7
1954	3.5	5.5	9.0	1.9	4.2	6.1
1955	2.6	6.6	9.2	1.3	5.6	6.9
1956	1.7	7.8	9.5	1.6	5.1	6.7
Prince Edward Island:						
1948	0.1	0.3	0.4	0.1	0.2	0.3
1949	0.1	0.2	0.3	0.1	0.1	0.2
1950	0.4	0.5	0.9	0.1	0.2	0.3
1951	0.2	0.2	0.4	0.1	0.2	0.3
1952	0.4	0.6	1.0	0.2	0.2	0.4
1953	0.2	0.7	0.9	0.1	0.2	0.3
1954	—	0.2	0.2	0.1	0.3	0.4
1955	0.1	0.4	0.5	0.1	0.3	0.4
1956	—	0.2	0.2	—	0.2	0.2

¹ Not available.

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-56 - Concluded

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Nova Scotia:						
1948	5.9	6.5	12.4	5.0	5.8	10.8
1949	3.4	5.5	8.9	2.7	7.5	10.2
1950	1.7	5.9	7.6	4.0	5.1	9.1
1951	1.8	10.6	12.4	5.0	6.4	11.4
1952	6.7	10.2	16.9	7.0	8.1	15.1
1953	4.4	8.9	13.3	7.4	8.4	15.8
1954	2.9	7.0	9.9	6.1	7.2	13.3
1955	15.1	7.0	22.1	5.6	8.1	13.7
1956	15.8	9.4	25.2	5.9	9.0	14.9
New Brunswick:						
1948	4.4	10.7	15.1	1.2	7.1	8.3
1949	2.6	10.0	12.6	1.2	6.5	7.7
1950	1.2	6.3	7.5	1.1	6.4	7.5
1951	4.2	13.3	17.5	1.7	7.8	9.5
1952	3.1	10.6	13.7	1.1	8.5	9.6
1953	2.1	8.8	10.9	1.7	9.0	10.7
1954	2.0	6.5	8.5	1.4	8.4	9.8
1955	2.5	9.8	12.3	2.1	8.5	10.6
1956	4.5	12.7	17.2	1.5	9.2	10.7
Quebec:						
1948	58.1	127.3	185.4	20.5	78.6	97.1
1949	50.4	113.8	164.2	19.1	80.6	99.7
1950	44.0	108.5	152.5	19.2	81.7	100.9
1951	54.7	143.8	198.5	21.3	96.6	117.9
1952	66.0	164.9	230.9	25.5	103.9	129.4
1953	44.9	140.2	185.1	22.0	111.4	133.4
1954	72.4	131.5	203.9	22.9	113.9	136.8
1955	96.3	167.8	264.1	26.1	116.1	142.2
1956	114.1	222.6	336.7	30.2	130.8	161.0
Ontario:						
1948	89.4	200.7	290.1	38.3	123.4	161.7
1949	63.1	177.1	240.2	30.0	127.3	157.3
1950	56.1	161.8	217.9	30.2	140.9	171.1
1951	137.8	257.4	395.2	39.4	170.4	209.8
1952	158.3	318.9	477.2	43.6	179.5	223.1
1953	169.3	330.1	499.4	43.5	200.2	243.7
1954	124.3	292.0	416.3	46.0	196.9	242.9
1955	121.0	290.7	411.7	43.3	209.4	252.7
1956	189.2	440.9	630.1	49.7	239.2	288.9
Manitoba:						
1948	2.6	8.3	10.9	2.2	6.1	8.3
1949	3.6	9.9	13.5	2.3	6.5	8.8
1950	5.7	10.9	16.6	2.1	6.6	8.7
1951	7.9	9.7	17.6	2.5	7.5	10.0
1952	3.1	8.7	11.8	3.4	9.4	12.8
1953	2.8	9.0	11.8	3.2	9.1	12.3
1954	15.1	11.9	27.0	3.7	8.2	11.9
1955	12.4	15.9	28.3	4.0	7.5	11.5
1956	9.2	15.0	24.2	3.9	9.3	13.2
Saskatchewan:						
1948	2.0	3.3	5.3	1.0	1.5	2.5
1949	3.5	7.0	10.5	0.6	2.4	3.0
1950	2.3	6.2	8.5	0.5	2.6	3.1
1951	3.7	9.5	13.2	1.2	2.4	3.6
1952	3.5	6.2	9.7	1.4	2.8	4.2
1953	13.2	4.6	17.8	1.9	2.9	4.8
1954	9.8	3.5	13.3	2.6	2.3	4.9
1955	5.3	3.6	8.9	3.0	1.9	4.9
1956	6.7	12.6	19.3	2.2	2.1	4.3
Alberta:						
1948	9.6	6.7	16.3	2.0	4.8	6.8
1949	4.4	8.5	12.9	1.6	6.1	7.7
1950	3.2	13.4	16.6	1.7	6.1	7.8
1951	12.7	23.9	36.6	2.7	5.8	8.5
1952	43.4	31.8	75.2	4.1	7.1	11.2
1953	27.2	64.3	91.5	3.9	8.7	12.6
1954	22.3	27.3	49.6	4.2	10.2	14.4
1955	39.6	21.8	61.4	5.4	11.0	16.4
1956	55.5	58.6	114.1	5.9	10.9	16.8
British Columbia:						
1948	12.7	30.4	43.1	8.6	28.4	37.0
1949	23.2	41.2	64.4	7.6	26.6	34.2
1950	18.8	48.1	66.9	7.7	26.4	34.1
1951	41.2	50.2	91.4	9.9	35.7	45.6
1952	53.7	67.4	121.1	8.0	35.5	43.5
1953	55.2	69.8	125.0	9.3	31.5	40.8
1954	35.3	49.1	84.4	8.7	39.3	48.0
1955	49.6	78.2	127.8	9.7	44.6	54.3
1956	91.0	126.3	217.3	11.3	49.8	61.1

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-56

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Foods and beverages:						
1944	10.7	11.4	22.1	8.5	21.2	29.7
1946	24.7	28.4	53.1	12.3	20.5	32.8
1948	31.9	56.5	88.4	13.2	28.6	41.8
1950	26.0	49.2	75.2	10.0	31.6	41.6
1951	28.0	51.0	79.1	11.8	34.3	46.1
1952	26.6	50.7	77.3	12.5	36.0	48.5
1953	26.0	59.0	85.0	12.8	40.1	52.9
1954	38.6	65.7	104.3	13.2	41.2	54.4
1955	38.5	65.4	103.9	12.6	43.5	56.1
1956	32.6	76.5	109.1	12.2	45.0	57.2
Tobacco and tobacco products:						
1944 ¹	—	—	—	—	—	—
1946	1.2	0.9	2.1	0.5	0.6	1.1
1948	0.8	1.9	2.7	0.5	1.3	1.8
1950	1.0	1.6	2.6	0.4	1.3	1.7
1951	0.5	1.7	2.2	0.4	1.3	1.7
1952	0.5	1.8	2.3	0.5	1.3	1.8
1953	1.0	2.2	3.2	0.6	1.5	2.1
1954	0.6	2.5	3.1	0.7	1.7	2.4
1955	1.6	2.8	4.4	0.9	1.7	2.6
1956	3.5	4.7	8.2	0.9	2.1	3.0
Rubber products (including footwear):						
1944 ¹	—	—	—	—	—	—
1946	3.9	3.6	7.5	1.1	3.7	4.8
1948	1.5	4.5	6.0	0.9	4.6	5.5
1950	0.6	4.1	4.7	0.7	4.6	5.3
1951	2.0	5.9	7.9	0.9	5.5	6.4
1952	2.7	7.3	10.0	0.9	6.0	6.9
1953	4.1	11.1	15.2	1.3	6.1	7.4
1954	4.6	11.1	15.7	1.0	5.9	6.9
1955	3.0	12.1	15.1	0.8	6.8	7.6
1956	2.9	11.0	13.9	1.1	7.4	8.5
Leather products:						
1944 ¹	—	—	—	—	—	—
1946	1.6	1.6	3.2	1.1	2.4	3.5
1948	1.2	2.2	3.4	1.0	2.6	3.6
1950	0.7	1.8	2.5	0.6	2.1	2.7
1951	0.9	1.9	2.8	0.6	2.1	2.7
1952	0.6	1.7	2.3	0.6	2.0	2.6
1953	0.9	2.2	3.1	0.7	2.3	3.0
1954	0.5	1.8	2.3	0.6	2.0	2.6
1955	0.5	1.8	2.3	0.6	2.2	2.8
1956	1.8	2.5	4.3	0.7	2.5	3.2
Textile products (except clothing):						
1944	1.8	4.9	6.7	2.8	7.6	10.4
1946	8.4	16.2	24.6	3.3	10.2	13.5
1948	6.5	29.1	35.6	3.9	14.2	18.1
1950	6.6	20.8	27.4	3.5	15.9	19.4
1951	9.9	29.2	39.1	4.0	16.7	20.7
1952	7.0	24.5	31.5	3.8	15.6	19.4
1953	7.9	20.0	27.9	2.8	16.6	19.4
1954	7.5	21.0	28.5	2.7	14.3	17.0
1955	7.6	20.5	28.1	3.0	16.6	19.6
1956	10.3	28.0	38.3	3.4	17.1	20.5
Clothing (textile and fur)*:						
1944	2.8	1.1	3.9	3.8	3.3	7.1
1946	2.6	5.8	8.4	2.2	3.8	6.0
1948	2.1	10.2	12.3	2.2	4.8	7.0
1950	2.5	9.4	11.9	1.4	4.6	6.0
1951	4.1	9.1	13.2	1.4	4.7	6.1
1952	1.6	11.1	12.7	1.3	4.4	5.7
1953	3.8	10.6	14.4	1.5	4.5	6.0
1954	2.2	7.6	9.8	1.3	4.0	5.3
1955	1.4	7.9	9.3	1.3	3.9	5.2
1956	1.3	8.4	9.7	1.2	4.4	5.6

¹ Figures not compiled separately; they are, however, included in the total. See Table 21, p. 50.

* Includes "Knitting mills".

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-56 — Continued

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Wood products:						
1944	2.9	2.4	5.3	4.6	13.5	18.1
1946	10.9	9.5	20.4	5.7	12.2	17.9
1948	7.9	18.5	26.4	7.1	18.9	26.0
1950	8.1	21.3	29.4	5.4	19.4	24.8
1951	11.2	27.4	38.6	7.7	24.5	32.2
1952	9.3	22.5	31.8	6.1	23.5	29.6
1953	10.4	24.2	34.6	7.8	22.3	30.1
1954	8.4	24.5	32.9	6.5	24.1	30.6
1955	12.1	30.8	42.9	7.6	29.2	36.8
1956	14.0	36.8	50.8	7.4	28.8	36.2
Paper products:						
1944	8.0	6.7	14.7	1.9	32.3	34.2
1946	27.2	27.8	55.0	5.3	28.4	33.7
1948	29.1	60.4	89.5	7.0	47.3	54.3
1950	21.1	57.4	78.5	8.0	51.7	59.7
1951	41.7	83.2	124.9	9.7	69.0	78.7
1952	33.6	95.9	129.5	8.3	72.9	81.2
1953	22.5	81.6	104.1	7.0	69.7	76.7
1954	21.6	65.7	87.3	8.2	75.1	83.3
1955	32.9	105.8	138.7	8.9	75.1	84.0
1956	85.1	172.3	257.4	10.3	85.6	95.9
Printing, publishing and allied trades:						
1944	0.2	2.2	2.4	0.6	3.9	4.5
1946	2.9	4.4	7.3	1.3	2.4	3.7
1948	7.0	12.4	19.4	1.6	3.9	5.5
1950	5.0	14.4	19.4	1.7	4.1	5.8
1951	6.3	18.0	24.3	1.7	4.6	6.3
1952	3.3	11.0	14.3	1.5	4.1	5.6
1953	3.8	12.6	16.4	2.0	4.4	6.4
1954	11.7	19.7	31.4	2.4	4.9	7.3
1955	6.5	17.6	24.1	2.1	4.5	6.6
1956	5.3	20.2	25.5	1.6	5.5	7.1
Iron and steel products:						
1944	10.1	22.2	32.3	6.5	26.2	32.7
1946	14.9	22.0	36.9	8.4	22.8	31.2
1948	19.6	36.7	56.3	12.0	38.4	50.4
1950	13.5	30.7	44.2	12.7	41.7	54.4
1951	47.1	50.1	97.2	13.0	58.9	71.9
1952	46.2	89.7	135.9	16.1	64.8	80.9
1953	35.5	78.5	114.0	15.6	70.8	86.4
1954	22.0	66.4	88.4	12.6	64.0	76.6
1955	27.0	68.2	95.2	12.7	75.6	88.3
1956	40.3	122.2	162.5	15.4	93.5	108.9
Transportation equipment:						
1944	1.6	4.7	6.3	11.0	20.8	31.8
1946	5.4	10.3	15.7	3.7	14.4	18.1
1948	5.4	10.0	15.4	5.3	16.8	22.1
1950	9.9	17.4	27.3	5.7	20.0	25.7
1951	21.8	27.1	48.9	6.9	21.5	28.4
1952	37.1	25.0	62.1	11.6	31.1	42.7
1953	46.9	50.5	97.4	11.9	33.0	44.9
1954	20.9	44.3	65.2	10.9	30.0	40.9
1955	20.2	34.1	54.3	10.5	28.1	38.6
1956	16.7	43.6	60.3	10.6	32.0	42.6
Non-ferrous metal products:						
1944	6.4	2.4	8.8	5.0	15.3	20.3
1946	2.3	5.3	7.6	3.1	12.2	15.3
1948	8.9	16.8	25.7	7.8	25.9	33.7
1950	8.9	13.5	22.4	4.0	24.6	28.6
1951	22.4	26.0	48.4	6.9	30.3	37.2
1952	35.1	35.6	70.7	8.5	34.2	42.7
1953	37.6	41.7	79.3	8.7	36.1	44.8
1954	20.3	33.3	53.6	8.7	40.1	48.8
1955	37.4	46.5	83.9	8.3	43.8	52.1
1956	62.4	55.0	117.4	11.4	50.9	62.3

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-56 — Concluded

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
Electrical apparatus and supplies:						
1944 ¹	—	—	—	—	—	—
1946	3.0	8.7	11.7	1.2	5.0	6.2
1948	4.8	11.9	16.7	2.2	8.7	10.9
1950	3.1	10.6	13.7	2.0	10.5	12.5
1951	16.3	15.6	31.9	2.2	11.4	13.6
1952	21.8	18.6	40.4	2.8	11.7	14.5
1953	15.8	20.2	36.0	2.7	14.2	16.9
1954	11.7	20.0	31.7	3.1	13.6	16.7
1955	8.0	28.3	36.3	2.8	13.3	16.1
1956	14.7	26.8	41.5	3.8	15.6	19.4
Non-metallic mineral products:						
1944	1.4	1.2	2.6	0.8	6.5	7.3
1946	3.5	4.2	7.7	1.4	8.4	9.8
1948	11.1	17.0	28.1	2.3	13.3	15.6
1950	4.4	12.0	16.4	1.6	15.7	17.3
1951	11.5	18.9	30.4	4.7	15.6	20.3
1952	11.2	23.1	34.3	3.9	16.6	20.5
1953	11.0	21.3	32.3	2.2	22.1	24.3
1954	19.6	23.6	43.2	2.8	23.8	26.6
1955	22.1	25.4	47.5	3.2	27.1	30.3
1956	51.4	68.6	120.0	3.0	31.7	34.7
Products of petroleum and coal:						
1944 ¹	—	—	—	—	—	—
1946	5.2	4.6	9.8	2.4	5.2	7.6
1948	29.3	13.4	42.7	6.6	6.3	12.9
1950	14.3	18.5	32.8	4.8	9.7	14.5
1951	21.7	37.3	59.0	8.3	8.8	17.1
1952	41.1	36.4	77.5	11.2	9.5	20.7
1953	61.6	19.9	81.5	11.8	12.0	23.8
1954	79.6	14.0	93.6	15.7	11.5	27.2
1955	100.4	8.6	109.0	19.2	8.1	27.3
1956	83.9	9.1	93.0	21.6	8.1	29.7
Chemicals and allied products:						
1944	1.4	1.6	3.0	3.7	8.1	11.8
1946	11.6	8.0	19.6	2.9	10.3	13.2
1948	15.0	26.9	41.9	4.3	15.8	20.1
1950	7.3	19.0	26.3	4.3	19.1	23.4
1951	19.2	38.5	57.7	4.0	24.8	28.8
1952	61.2	79.8	141.0	4.5	26.6	31.1
1953	32.0	90.3	122.3	4.3	26.5	30.8
1954	15.1	24.7	39.8	6.2	31.4	37.6
1955	21.6	34.7	56.3	4.9	30.2	35.1
1956	57.9	87.0	144.9	6.2	31.9	38.1
Miscellaneous industries:						
1944	1.3	81.4 ²	82.7 ²	1.0	1.9	2.9
1946	2.9	43.7 ²	46.6 ²	0.9	1.8	2.7
1948	2.7	65.8 ²	68.5 ²	1.0	2.5	3.5
1950	2.4	3.6	6.0	0.8	2.4	3.2
1951	3.0	4.4	7.4	0.8	3.0	3.8
1952	4.7	4.1	8.8	1.1	3.2	4.3
1953	3.7	5.0	8.7	0.9	3.3	4.2
1954	2.7	4.5	7.2	1.0	3.3	4.3
1955	3.7	7.0	10.7	1.2	3.3	4.5
1956	3.6	8.7	12.3	1.4	3.5	4.9

¹ Figures not compiled separately; they are, however, included in the total. See Table 21, p. 50.² Includes allowance for capital items charged to operating expense.TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-56
(Industries Ranked According to the Value of Factory Shipments in 1953)

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
1. Pulp and paper:						
1948	25.7	53.6	79.3	6.2	43.6	49.8
1949	24.2	47.6	71.8	7.2	45.8	53.0
1950	17.9	50.7	68.6	7.0	46.5	53.5
1951	35.0	73.9	108.9	8.6	62.6	71.2
1952	29.0	86.6	115.6	7.3	66.5	73.8
1953	18.5	73.4	91.9	6.2	63.5	69.7
1954	13.8	55.2	69.0	7.3	68.5	75.8
1955	13.5	57.5	71.0	5.3	52.5	57.8
1956	34.0	100.3	134.3	7.1	60.6	67.7

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-56 — Continued

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
2. Non-ferrous metal smelting and refining:						
1948.....	7.5	9.8	17.3	7.1	18.6	25.7
1949.....	7.0	7.4	14.4	0.7	15.5	16.2
1950.....	6.7	9.4	16.1	2.8	19.7	22.5
1951.....	20.6	19.8	40.4	5.3	24.0	29.3
1952.....	32.6	29.7	62.3	7.0	26.9	33.9
1953.....	33.4	33.7	67.1	7.7	29.4	37.1
1954.....	19.5	27.7	47.2	7.3	33.3	40.6
1955.....	34.3	40.5	74.8	6.9	36.3	43.2
1956.....	53.7	45.7	99.4	10.2	43.6	53.8
3. Motor vehicles:						
1948.....	2.0	4.3	6.3	1.8	5.3	7.1
1949.....	1.1	4.7	5.8	1.4	5.1	6.5
1950.....	3.1	7.7	10.8	1.7	6.1	7.8
1951.....	7.4	10.3	17.7	1.8	6.5	8.3
1952.....	20.9	11.1	32.0	2.3	7.3	9.6
1953.....	27.0	27.1	54.1	3.0	9.4	12.4
1954.....	11.1	14.7	25.8	2.6	9.7	12.3
1955.....	13.0	17.0	30.0	2.6	10.4	13.0
1956.....	3.7	22.4	26.1	2.6	11.9	14.5
4. Slaughtering and meat packing:						
1948.....	2.2	3.8	6.0	3.4	3.7	7.1
1949.....	1.5	3.9	5.4	1.6	5.4	7.0
1950.....	2.2	3.2	5.4	1.5	5.5	7.0
1951.....	2.3	3.5	5.8	2.2	5.3	7.5
1952.....	3.1	4.7	7.8	2.4	5.8	8.2
1953.....	2.1	4.8	6.9	2.6	7.7	10.3
1954.....	4.0	5.8	9.8	2.5	7.6	10.1
1955.....	2.6	4.0	6.6	2.1	6.9	9.0
1956.....	5.0	8.1	13.1	2.2	8.4	10.6
5. Petroleum products:						
1948 ¹	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950.....	9.6	14.5	24.1	3.3	7.1	10.4
1951.....	18.9	30.2	49.1	7.4	5.5	12.9
1952.....	32.1	28.0	60.1	9.6	6.1	15.7
1953.....	56.8	9.0	65.8	10.5	7.9	18.4
1954.....	75.1	7.5	82.6	14.7	7.7	22.4
1955.....	94.2	4.8	99.0	18.1	4.2	22.3
1956.....	83.0	6.5	89.5	21.0	4.3	25.3
6. Sawmills:						
1948.....	5.0	11.6	16.6	4.7	13.3	18.0
1949.....	4.3	12.2	16.5	3.3	12.9	16.2
1950.....	5.4	15.3	20.7	3.5	14.0	17.5
1951.....	6.4	17.4	23.8	5.1	18.0	23.1
1952.....	5.5	12.9	18.4	3.6	16.1	19.7
1953.....	4.0	12.5	16.5	5.1	16.0	21.1
1954.....	4.2	14.7	18.9	4.0	17.4	21.4
1955.....	4.9	19.3	24.2	4.9	19.8	24.7
1956.....	5.2	18.4	23.6	4.4	18.1	22.5
7. Primary iron and steel:						
1948.....	7.3	12.0	19.3	5.1	16.3	21.4
1949.....	2.4	9.2	11.6	5.4	15.4	20.8
1950.....	1.7	5.2	6.9	5.9	18.0	23.9
1951.....	28.9	21.4	50.3	5.5	27.8	33.3
1952.....	20.5	52.4	72.9	6.3	31.4	37.7
1953.....	11.9	38.0	49.9	7.2	38.6	45.8
1954.....	6.2	27.3	33.5	5.2	31.6	36.8
1955.....	6.6	27.9	34.5	5.2	43.0	48.2
1956.....	7.6	54.1	61.7	6.5	56.2	62.7
8. Aircraft and parts:						
1948.....	0.1	0.2	0.3	0.3	0.6	0.9
1949.....	0.9	0.5	1.4	0.5	1.0	1.5
1950.....	1.9	0.8	2.7	0.7	0.9	1.6
1951.....	4.7	1.4	6.1	0.9	1.0	1.9
1952.....	6.3	2.1	8.4	1.3	1.7	3.0
1953.....	8.3	3.5	11.8	0.9	3.9	4.8
1954.....	4.0	4.4	8.4	1.2	3.0	4.2
1955.....	3.4	7.2	10.6	1.6	2.4	4.0
1956.....	3.4	8.0	11.4	1.3	3.0	4.3
9. Butter and cheese:						
1948.....	2.8	8.1	10.9	1.5	4.0	5.5
1949.....	1.7	7.8	9.5	1.3	4.0	5.3
1950.....	1.5	7.1	8.6	1.2	4.4	5.6
1951.....	1.7	6.8	8.5	1.3	4.2	5.5
1952.....	2.4	7.1	9.5	1.8	4.4	6.2
1953.....	2.4	8.4	10.8	1.5	4.4	5.9
1954.....	2.3	9.6	11.9	1.7	4.9	6.6
1955.....	2.5	10.4	12.9	1.4	5.1	6.5
1956.....	2.9	10.5	13.4	1.3	4.8	6.1

¹ Not available.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-56 - Continued

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
10. Railway rolling stock:						
1948	2.4	2.3	4.7	1.6	6.2	7.8
1949	1.9	4.0	5.9	1.7	6.7	8.4
1950	1.3	2.8	4.1	1.6	5.3	6.9
1951	2.1	2.4	4.5	1.9	5.1	7.0
1952	5.7	4.0	9.7	8.1	11.3	19.4
1953	3.4	5.9	9.3	4.6	9.1	13.7
1954	1.8	4.6	6.4	4.0	8.0	12.0
1955	1.7	2.3	4.0	3.7	6.2	9.9
1956	1.5	3.4	4.9	4.3	8.0	12.3
11. Motor vehicle parts:						
1948	1.1	2.6	3.7	0.7	3.5	4.2
1949	1.7	3.9	5.6	0.8	4.1	4.9
1950	2.5	5.5	8.0	0.7	4.9	5.6
1951	6.8	10.7	17.5	1.1	5.9	7.0
1952	5.2	5.7	10.9	1.4	6.1	7.5
1953	6.2	11.6	17.8	1.2	7.2	8.4
1954	2.3	18.1	20.4	0.9	5.8	6.7
1955	1.1	5.3	6.4	0.8	5.8	6.6
1956	3.5	5.8	9.3	0.9	6.4	7.3
12. Rubber goods, including footwear:						
1948	1.5	5.7	7.2	0.9	4.6	5.5
1949	1.7	4.6	6.3	0.6	4.4	5.0
1950	0.6	4.1	4.7	0.7	4.6	5.3
1951	2.0	5.9	7.9	0.9	5.5	6.4
1952	2.7	7.3	10.0	0.9	6.0	6.9
1953	4.1	11.1	15.2	1.3	6.0	7.3
1954	4.6	11.1	15.7	1.0	5.9	6.9
1955	3.0	12.1	15.1	0.8	6.8	7.6
1956	2.9	11.0	13.9	1.1	7.4	8.5
13. Miscellaneous food preparations:						
1948	0.7	2.1	2.8	0.4	0.6	1.0
1949	6.0	6.1	12.1	0.6	1.2	1.8
1950	0.6	2.2	2.8	0.4	0.8	1.2
1951	2.8	3.4	6.2	0.7	2.2	2.9
1952	1.9	2.2	4.1	0.9	0.9	1.3
1953	1.0	4.4	5.4	0.6	2.6	3.2
1954	2.2	5.0	7.2	0.7	2.8	3.5
1955	1.0	4.6	5.6	0.7	2.8	3.5
1956	0.8	5.0	5.8	0.7	3.0	3.7
14. Bread and other bakery products:						
1948	2.7	7.2	9.9	1.1	2.7	3.8
1949	1.5	6.2	7.7	1.1	2.9	4.0
1950	2.8	7.9	10.7	1.0	3.5	4.5
1951	2.5	8.4	10.9	1.1	4.1	5.2
1952	3.9	9.6	13.5	1.3	3.7	5.0
1953	2.6	9.2	11.8	1.3	5.1	6.4
1954	2.9	8.1	11.0	1.2	4.7	5.9
1955	2.0	9.2	11.2	1.3	4.2	5.5
1956	2.0	8.8	10.8	1.1	4.7	5.8
15. Clothing, men's, factory:						
1948	0.6	2.0	2.6	0.5	0.9	1.4
1949	0.7	1.6	2.3	0.5	0.9	1.4
1950	0.3	1.4	1.7	0.4	0.9	1.3
1951	0.5	1.6	2.1	0.3	1.0	1.3
1952	0.3	1.6	1.9	0.4	0.9	1.3
1953	1.3	1.8	3.1	0.5	0.9	1.4
1954	1.4	1.3	2.7	0.6	0.7	1.3
1955	1.0	1.4	2.4	0.3	0.6	0.9
1956	0.3	1.8	2.1	0.4	0.9	1.3
16. Flour mills:						
1948	1.7	4.3	6.0	0.5	2.2	2.7
1949	2.9	3.7	6.6	0.2	1.4	1.6
1950	0.7	2.3	3.0	0.2	1.5	1.7
1951	0.4	1.5	1.9	0.4	1.5	1.9
1952	0.5	1.7	2.2	0.2	1.6	1.8
1953	0.2	1.0	1.2	0.5	1.6	2.1
1954	0.5	2.0	2.5	0.3	1.3	1.6
1955	0.5	2.1	2.6	0.5	1.2	1.7
1956	0.5	2.9	3.4	0.5	1.1	1.6
17. Miscellaneous electrical apparatus and supplies:						
1948 ¹	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950	0.7	3.4	4.1	0.7	4.1	4.8
1951	3.6	4.9	8.5	0.8	4.0	4.8
1952	6.7	5.5	12.2	1.1	5.0	6.1
1953	2.7	6.8	9.5	0.9	5.7	6.6
1954	3.0	6.8	9.8	1.0	5.6	6.6
1955	3.2	8.5	11.7	1.2	6.0	7.2
1956	7.8	13.6	21.4	1.8	7.9	9.7

¹ Not available.

TABLE 24. Capital and Repair Expenditures of the Twenty-five Leading Industries, 1948-56 — Concluded

Industry	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
18. Machinery, heavy electrical:						
1948 ¹	—	—	—	—	—	—
1949 ¹	—	—	—	—	—	—
1950	1.1	3.8	4.9	0.5	4.0	4.5
1951	3.5	5.0	8.5	0.6	7.0	7.6
1952	10.8	6.9	17.7	1.0	4.2	5.2
1953	8.1	6.1	14.2	1.0	5.5	6.5
1954	3.0	6.4	9.4	1.2	4.8	6.0
1955	1.9	5.1	7.0	0.8	4.3	5.1
1956	4.4	7.0	11.4	0.8	4.6	5.4
19. Printing and publishing:						
1948	4.2	4.8	9.0	0.8	1.9	2.7
1949	2.5	5.7	8.2	0.7	1.7	2.4
1950	2.9	5.7	8.6	0.6	1.7	2.3
1951	3.5	9.3	12.8	0.8	1.9	2.7
1952	2.5	5.5	8.0	0.8	1.9	2.7
1953	2.5	5.9	8.4	1.0	2.1	3.1
1954	6.1	9.7	15.8	1.0	2.1	3.1
1955	2.7	8.2	10.9	1.1	2.1	3.2
1956	3.0	9.8	12.8	0.9	2.5	3.4
20. Furniture:						
1948	1.0	2.6	3.6	0.8	1.5	2.3
1949	0.7	2.1	2.8	0.8	1.7	2.5
1950	0.9	2.1	3.0	0.9	1.6	2.5
1951	1.2	2.4	3.6	0.9	1.8	2.7
1952	0.9	2.4	3.3	0.8	1.8	2.6
1953	2.2	3.8	6.0	1.1	2.0	3.1
1954	1.7	3.1	4.8	1.3	2.1	3.4
1955	3.3	3.7	7.0	1.0	2.1	3.1
1956	2.3	3.8	6.1	0.9	2.1	3.0
21. Machinery, industrial:						
1948	3.1	6.3	9.4	1.4	3.4	4.8
1949	4.0	7.5	11.5	1.6	3.3	4.9
1950	1.3	3.6	4.9	0.8	2.2	3.0
1951	2.7	4.2	6.9	0.9	3.1	4.0
1952	7.0	8.4	15.4	1.1	3.3	4.4
1953	5.0	7.3	12.3	1.1	3.3	4.4
1954	2.5	7.6	10.1	1.1	3.4	4.5
1955	3.5	6.5	10.0	1.2	3.7	4.9
1956	5.6	10.0	15.6	1.4	5.8	7.2
22. Sheet metal products:						
1948	1.2	2.6	3.8	1.0	2.4	3.4
1949	1.5	2.6	4.1	1.0	2.5	3.5
1950	1.5	2.9	4.4	1.2	2.1	3.3
1951	3.5	3.9	7.4	1.0	3.1	4.1
1952	1.6	3.2	4.8	0.9	3.0	3.9
1953	2.2	4.2	6.4	0.8	3.1	3.9
1954	1.9	4.6	6.5	0.8	3.4	4.2
1955	1.5	5.8	7.3	0.8	3.7	4.5
1956	2.8	6.6	9.4	1.1	3.9	5.0
23. Clothing, women's, factory:						
1948	0.6	1.7	2.3	0.3	0.9	1.2
1949	0.7	1.8	2.5	0.2	0.8	1.0
1950	0.1	1.1	1.2	0.1	0.6	0.7
1951	0.7	0.9	1.6	0.1	0.6	0.7
1952	0.5	1.2	1.7	0.1	0.6	0.7
1953	—	1.3	1.3	0.1	0.5	0.6
1954	0.1	1.0	1.1	0.1	0.6	0.7
1955	0.1	1.2	1.3	0.2	0.6	0.8
1956	—	1.3	1.3	—	0.7	0.7
24. Cotton yarn and cloth:						
1948	1.9	8.9	10.8	1.4	4.5	5.9
1949	1.8	7.1	8.9	1.7	4.2	5.9
1950	2.0	8.1	10.1	1.5	4.9	6.4
1951	2.9	9.1	12.0	1.6	5.4	7.0
1952	1.9	6.6	8.5	1.7	5.6	7.3
1953	0.9	3.3	4.2	1.2	5.6	6.8
1954	0.4	1.6	2.0	1.0	4.8	5.8
1955	1.5	4.9	6.4	1.0	5.3	6.3
1956	2.7	9.5	12.2	1.7	5.4	7.1
25. Fruit and vegetable preparations:						
1948	1.6	3.8	5.4	0.8	3.0	3.8
1949	0.8	2.2	3.0	0.5	2.3	2.8
1950	0.9	1.6	2.5	0.6	2.3	2.9
1951	1.4	2.9	4.3	0.9	3.2	4.1
1952	1.0	2.8	3.8	1.0	3.2	4.2
1953	0.6	2.7	3.3	0.8	3.4	4.2
1954	1.4	4.0	5.4	0.9	3.9	4.8
1955	2.9	4.5	7.4	0.9	4.0	4.9
1956	2.2	5.2	7.4	1.0	4.0	5.0

¹ Not available.

Subsection 2. Value of Manufacturing Inventory

As explained in the section on Capital Employed, the collection of statistics on capital investment by manufacturers was discontinued in 1944. This was replaced by the collection annually of expenditure statistics on fixed capital, repairs and maintenance from all large manufacturers, with estimates being made for the smaller establishments. As a result of this change no information was available on investment in inventory. Before long, however, the need for this information became apparent. Consequently, beginning with 1949, calendar year-end inventory values were collected separately from all manufacturing plants with an annual gross value of production of \$50,000 or over. These values are inflated to a total by estimating for small firms in each industry on the basis of the gross value-inventory ratio of reporting firms.

Commencing with 1954 questions on inventory were put back on the forms used in the annual survey of manufactures. As a result, all establishments with shipments of \$50,000 or more were required to give this information. As in the case of the calendar year-end series, estimates for establishments with shipments of under \$50,000 were made on the same basis. By comparing the two series for 1954 it was found that they differed slightly. This is mainly due to the difference in time of reporting this information. In the first series the figures refer to the end of December while in the second they refer to the company year which in a number of cases might be anywhere from the end of January to the end of June. The figures in the first series are accordingly higher by 3.6 p.c. This is due to the desire of most companies to have as low an inventory as pos-

sible at the end of their financial year. When the financial year is other than the calendar year they could and usually do report a higher figure for December than they do for the end of their financial year which is reported in the second series.

It should be noted that the calendar year-end values as shown in the table below are not strictly comparable with those published in previous general reviews on manufacturing, since the series previously published has been reduced by the entire value of inventories held but not owned, i.e. held under progress payments arrangements. The deduction was made from the goods in process component. In previous reviews an item of total inventory holdings was shown separately, but no attempt was made to assign it to any specific component. While the assumption that all such inventory is part of goods in process is not strictly true, it is nevertheless a fairly good working approximation.

Company year-end inventory in 1956 totalled \$3,871,500,000, of which amount \$1,877,000,000 was raw materials and supplies, \$785,800,000 goods in process and \$1,208,700,000 finished goods. The iron and steel group with \$675.0 million reported the highest inventory of any group. Foods and beverages with \$576.2 million came second, followed by transportation equipment with \$302.7 million, paper products \$302.1 million, wood products \$279.7 million, electrical apparatus and supplies \$264.1 million, non-ferrous metal products \$251.2 million, chemicals and allied products \$243.6 million, etc.

TABLE 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-56¹

Year, province and industrial group	Total inventory	Raw materials and supplies	Goods in process	Finished goods
	\$'000,000			
1949	2,333.0	N.A.	N.A.	N.A.
1950	2,638.0	1,448.0	472.0	718.0
1951	3,390.0	1,781.0	610.0	999.0
1952 ²	3,350.0	1,817.0	568.0	965.0
1953 ²	3,519.0	1,830.0	613.0	1,076.0
1954	3,212.2	1,592.5	608.6	1,011.1
1955	3,409.0	1,670.4	706.4	1,032.2
Province				
Newfoundland	30.0	20.2	1.0	8.8
Prince Edward Island	2.2	.9	.1	1.2
Nova Scotia	66.3	29.5	15.8	21.0
New Brunswick	50.9	34.3	4.6	12.0
Quebec	1,188.0	625.5	237.7	324.8
Ontario	1,960.0	892.9	452.4	614.7
Manitoba	97.9	54.1	11.1	32.7
Saskatchewan	38.7	18.2	2.5	18.0
Alberta	105.9	44.1	13.2	48.6
British Columbia	330.8	157.0	47.4	126.4
Yukon and Northwest Territories	.8	.3		.5
Canada, 1956	3,871.5	1,877.0	785.8	1,208.7
Industrial group				
Foods and beverages	576.2	198.6	131.8	245.8
Tobacco and tobacco products	92.6	62.9	3.5	26.2
Rubber products	64.2	21.8	9.0	33.4
Leather products	54.0	25.4	10.3	18.3
Textiles	186.4	75.9	43.3	67.2
Knitting mills	41.0	11.7	12.0	17.3
Clothing	194.6	75.6	17.5	41.5
Wood products	279.7	153.5	35.2	91.0
Paper products	302.1	245.6	11.5	45.0
Printing, publishing and allied industries	49.2	29.1	12.9	7.2
Iron and steel products	675.0	332.2	170.8	172.0
Transportation equipment	302.7	137.5	127.7	37.5
Non-ferrous metal products	251.2	147.2	49.0	55.0
Electrical apparatus and supplies	264.1	88.5	75.9	99.7
Non-metallic mineral products	84.8	46.8	7.2	30.8
Products of petroleum and coal	199.4	61.6	18.5	119.3
Chemicals and allied products	243.6	130.2	34.3	79.1
Miscellaneous industries	70.7	32.9	15.4	22.4

¹ The opening inventory for 1956 differs from the closing inventory of 1955 because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms that did not operate during 1956.

² Revised.

³ Less than \$50,000.

Subsection 3. Employment in Manufacturing Industries

Monthly Record of Employment.—Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest.

After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 production workers were on the payrolls, was surpassed in September, 1937, with 582,305 production workers. After the outbreak of war the improvement in employment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 production workers were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 occurred in June when 1,049,557 production workers were employed. From then on employment declined steadily to the end of 1945 when 819,619 production workers were reported. At the end of 1951 there were 953,952 production workers employed, compared with an employment of 961,820 production workers in December, 1944, and 1,021,630 in December, 1943.

During the first half of 1952 the number of production workers increased each month, but not to the extent of the employment in the same month of the previous year. From the middle of the year monthly employment figures exceeded those of the previous year. This trend continued to October 1953. The trend for the next two months was downward so that by the end of 1953 there were only 990,611 production workers as compared with 1,018,764 at the end of December 1952.

The minor recession experienced in 1954 is reflected in the monthly employment figures, the number employed each month being lower than the corresponding month of the previous year, although there was the usual upturn during the summer months. Employment at the end of December at 932,786 was at the lowest level since 1949 when 906,851 persons were employed. December 1952 with 1,018,764 production workers had the highest year-end figures during this period.

The downward trend of 1954 continued until the end of April 1955. From then on, the monthly employment figures were consistently higher than the corresponding months of the previous year, so that by the end of December 1956 production workers totalled 1,025,860 as compared with 993,215 the year before and 932,786 at the end of December 1954.

TABLE 26. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1922-56

Month	1922	1929	1933	1939	1943	1949	1954	1956
All wage-earners								
January	324,257	502,644	340,027	490,337	1,023,261	928,077	979,801	990,858
February	336,729	519,423	347,777	496,160	1,030,878	932,356	985,063	1,011,489
March	349,110	536,866	355,888	503,475	1,036,648	937,714	989,350	1,028,336
April	360,248	555,711	358,759	509,739	1,033,748	944,307	988,374	1,034,891
May	382,504	574,905	377,659	530,864	983,058	961,137	1,000,313	1,057,380
June	393,935	575,693	392,196	531,245	1,058,645	973,324	1,011,718	1,084,930
July	391,186	573,554	393,464	529,575	1,056,975	964,813	1,008,963	1,084,032
August	389,511	567,022	402,249	543,605	1,067,890	975,114	1,008,332	1,072,795
September	392,423	564,796	410,954	562,355	1,066,595	970,324	1,004,246	1,082,923
October	385,262	553,338	405,757	568,564	1,053,486	951,017	986,369	1,076,887
November	378,992	527,213	396,384	563,117	1,049,738	934,576	961,505	1,064,177
December	367,724	499,893	380,612	544,817	1,021,630	906,851	932,786	1,025,860
Male								
January	243,682	397,459	257,445	381,997	751,269	716,005	775,348	782,139
February	253,173	410,865	260,728	385,955	755,181	719,374	778,646	798,973
March	263,849	426,713	267,259	391,623	757,702	725,953	782,905	814,031
April	274,821	443,560	271,348	398,982	755,888	732,906	784,744	821,457
May	294,095	459,783	285,705	416,963	764,158	747,614	795,684	842,139
June	304,395	460,294	296,937	417,975	776,003	757,575	804,702	864,576
July	304,020	459,051	300,329	417,987	779,687	750,579	802,063	863,619
August	301,234	449,721	302,969	421,895	777,733	747,518	790,269	842,221
September	298,918	441,510	304,908	431,509	767,043	739,768	781,256	845,207
October	291,973	432,576	301,315	437,220	754,484	725,853	769,127	844,500
November	286,511	412,114	294,945	432,920	753,211	715,188	749,863	836,567
December	277,854	391,903	285,690	422,538	738,073	700,141	736,203	814,873
Female								
January	80,575	105,185	82,582	108,340	271,992	212,072	204,453	208,669
February	83,551	108,558	87,049	110,205	275,697	212,982	206,417	212,516
March	85,261	110,153	88,629	111,852	278,946	211,761	206,445	214,305
April	85,427	112,142	87,411	110,757	277,860	211,401	203,630	213,434
May	88,409	115,122	91,954	113,901	218,900	213,523	204,649	215,241
June	89,540	115,399	95,259	113,270	282,642	215,749	207,016	220,354
July	87,166	114,503	93,135	111,588	277,288	214,234	206,900	220,413
August	86,277	117,301	99,280	121,710	290,157	227,596	218,063	230,574
September	93,505	123,286	106,046	130,846	299,552	230,556	222,990	237,716
October	93,289	120,762	104,442	131,344	209,002	225,164	217,242	232,387
November	92,481	115,099	101,439	130,197	296,527	219,388	211,642	227,610
December	89,870	107,990	94,922	122,279	283,557	206,710	196,583	210,987

TABLE 27. Production Workers Employed in Manufacturing Industries, by Months, Sex and Provinces,
1955 and 1956

Province and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Newfoundland:						
January	6,470	934	7,404	6,031	941	6,972
February	6,482	946	7,428	5,826	1,016	6,842
March	6,417	911	7,328	6,248	1,003	7,251
April	6,755	935	7,690	6,797	1,034	7,831
May	7,394	1,024	8,418	7,074	1,251	8,325
June	8,021	1,299	9,320	7,705	1,379	9,084
July	8,222	1,408	9,630	7,909	1,465	9,374
August	8,255	1,328	9,583	7,948	1,527	9,475
September	7,985	1,250	9,235	7,515	1,435	8,950
October	7,532	1,149	8,681	7,411	1,408	8,819
November	6,953	1,009	7,962	6,827	1,235	8,062
December	6,173	914	7,087	6,243	921	7,164
Prince Edward Island:						
January	604	167	771	638	188	826
February	601	153	754	653	180	833
March	619	187	806	653	115	768
April	839	162	1,001	918	145	1,063
May	1,275	758	2,033	1,335	677	2,012
June	1,225	756	1,981	1,257	612	1,869
July	1,127	553	1,680	1,171	598	1,769
August	1,226	609	1,835	1,214	524	1,738
September	1,073	554	1,627	1,114	439	1,553
October	934	411	1,345	948	324	1,272
November	868	386	1,254	845	274	1,119
December	704	269	973	695	209	904
Nova Scotia:						
January	20,402	2,978	23,380	19,379	2,925	22,304
February	21,057	3,060	24,117	19,679	2,868	22,547
March	21,105	3,065	24,170	20,206	2,871	23,077
April	21,341	3,090	24,431	21,899	3,096	24,995
May	23,931	3,721	27,652	23,226	3,657	26,883
June	24,673	3,796	28,469	23,692	3,781	27,473
July	23,141	3,579	26,720	23,588	3,602	27,190
August	24,221	4,042	28,263	23,179	3,678	26,857
September	23,268	3,830	27,098	22,958	3,643	26,601
October	22,967	3,927	26,894	22,512	3,645	26,157
November	22,394	3,744	26,138	22,109	3,380	25,489
December	21,087	3,458	24,545	21,526	3,265	24,791
New Brunswick:						
January	14,970	2,365	17,335	14,009	2,013	16,022
February	21,057	3,060	24,117	14,513	1,985	16,498
March	21,105	3,065	24,170	14,761	2,210	16,971
April	21,341	3,090	24,431	15,205	2,368	17,573
May	23,931	3,721	27,652	16,836	3,394	20,230
June	24,673	3,796	28,469	17,470	3,322	21,392
July	23,141	3,579	26,720	17,563	3,444	21,007
August	24,221	4,042	28,263	17,570	4,187	21,757
September	23,268	3,830	27,098	16,837	3,909	20,746
October	22,967	3,927	26,894	16,166	3,347	19,513
November	22,394	3,744	26,138	15,173	2,637	17,807
December	21,087	3,458	24,545	14,579	2,093	16,672
Quebec:						
January	243,629	91,922	335,551	230,878	87,772	318,650
February	245,267	93,804	339,071	234,186	89,577	323,763
March	248,244	94,041	342,285	236,444	89,864	326,308
April	252,122	93,071	345,193	241,416	89,314	330,730
May	257,145	92,054	349,199	250,137	89,859	339,996
June	267,592	93,412	361,004	256,146	90,306	346,452
July	267,152	93,062	360,214	256,689	90,475	347,164
August	269,027	96,730	365,757	258,393	95,638	354,031
September	265,988	97,824	363,812	255,853	97,061	352,914
October	261,802	97,184	358,986	254,892	96,831	351,723
November	258,358	95,966	354,324	251,528	95,733	347,261
December	251,207	90,991	342,198	245,415	91,020	336,435
Ontario:						
January	366,788	90,935	457,723	347,654	86,503	434,157
February	378,984	92,421	471,405	360,856	87,491	448,347
March	389,393	93,460	482,853	366,442	88,278	454,720
April	394,443	93,237	487,680	372,614	86,988	459,602
May	400,227	93,225	493,452	380,132	87,628	467,760
June	405,889	95,078	500,967	388,391	91,756	480,147
July	403,460	94,045	497,505	384,233	90,320	474,553
August	379,689	98,209	477,898	384,751	100,413	485,164
September	390,174	106,042	496,216	385,133	104,269	489,402
October	397,632	103,668	501,300	373,207	101,577	474,784
November	397,233	102,847	500,080	371,941	100,493	472,434
December	389,944	93,856	483,800	367,275	91,373	458,648

TABLE 27. Production Workers Employed in Manufacturing Industries, by Months, Sex and Provinces, 1955 and 1956 — Concluded

Province and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Manitoba:						
January	25,239	7,368	32,607	23,660	7,330	30,990
February	25,425	7,575	33,000	23,718	7,353	31,071
March	25,622	7,643	33,265	23,759	7,294	31,053
April	25,603	7,552	33,155	24,019	7,262	31,281
May	26,260	7,511	33,771	24,528	7,175	31,703
June	26,912	7,748	34,660	25,109	7,429	32,538
July	27,092	7,657	34,749	25,765	7,489	33,254
August	26,920	8,094	35,014	26,127	7,778	33,905
September	26,916	8,051	34,967	26,210	7,928	34,138
October	26,727	7,983	34,710	26,352	8,005	34,357
November	26,088	7,485	33,573	26,117	7,664	33,781
December	25,464	7,024	32,488	25,525	7,187	32,712
Saskatchewan:						
January	6,996	887	7,883	7,049	880	7,929
February	7,046	871	7,917	7,162	878	8,040
March	7,087	905	7,992	7,142	877	8,019
April	6,972	927	7,899	7,091	906	7,997
May	7,338	1,019	8,357	7,344	953	8,297
June	7,833	1,056	8,889	7,628	1,033	8,661
July	7,945	1,065	9,010	7,696	1,061	8,757
August	7,962	1,085	9,047	7,588	1,075	8,663
September	7,678	1,051	8,729	7,257	1,020	8,277
October	7,510	1,027	8,537	7,050	1,012	8,062
November	7,394	1,041	8,435	7,153	1,012	8,165
December	7,267	962	8,229	6,908	914	7,822
Alberta:						
January	24,254	3,233	27,487	22,762	3,085	25,847
February	24,669	3,304	27,973	22,942	3,098	26,040
March	24,967	3,409	28,376	22,946	3,169	26,115
April	22,561	3,440	26,001	20,834	3,096	23,930
May	22,831	3,656	26,487	21,351	3,290	24,641
June	23,829	3,724	27,553	22,458	3,451	25,909
July	24,396	3,952	28,348	23,413	3,830	27,243
August	24,385	4,061	28,446	23,508	4,007	27,515
September	24,119	4,105	28,224	23,272	3,867	27,139
October	23,921	3,748	27,669	23,153	3,538	26,691
November	24,835	3,641	28,476	24,098	3,539	27,637
December	25,229	3,541	28,770	24,658	3,448	28,106
British Columbia:						
January	72,743	7,864	80,607	67,599	7,354	74,953
February	74,088	7,912	82,000	68,072	7,465	75,537
March	75,442	8,204	83,646	70,439	7,663	78,102
April	75,374	8,384	83,758	70,243	7,870	78,113
May	78,505	8,661	87,166	72,852	8,343	81,195
June	80,687	9,565	90,252	76,235	9,147	85,382
July	83,241	11,496	94,737	78,007	10,970	88,977
August	83,137	12,226	95,363	79,078	12,546	91,624
September	81,412	11,475	92,887	77,974	11,275	89,249
October	79,608	10,236	89,844	76,582	10,105	86,687
November	77,185	9,064	86,249	74,581	9,280	83,861
December	73,579	7,963	81,542	71,947	7,925	79,872
Yukon and Northwest Territories:						
January	94	16	110	46	7	53
February	89	17	106	66	10	76
March	88	17	105	71	11	82
April	108	19	127	112	15	127
May	128	19	147	97	15	112
June	162	20	182	148	17	165
July	182	22	204	174	19	193
August	132	20	152	182	21	203
September	92	19	111	144	19	163
October	87	19	106	120	17	137
November	74	18	92	85	15	100
December	69	16	85	72	17	89

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex, and Industrial Groups, 1955 and 1956

Group and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Foods and beverages:						
January	97,821	29,342	127,163	96,278	28,391	124,669
February	97,439	29,550	126,989	95,650	28,046	123,696
March	98,309	30,439	128,748	96,261	28,309	124,570
April	101,678	31,444	133,122	100,847	29,649	130,496
May	107,844	35,104	142,948	106,812	34,129	140,941
June	114,276	39,442	153,720	114,923	39,319	154,242
July	118,758	42,414	161,172	117,750	40,917	158,667
August	119,867	46,979	166,846	120,621	51,599	172,220
September	117,868	50,670	168,538	116,292	48,713	165,005
October	111,930	43,649	155,579	111,454	42,238	153,692
November	107,789	38,904	146,693	107,437	38,025	145,462
December	102,008	31,534	133,542	100,672	29,659	130,331
Tobacco and tobacco products:						
January	4,124	5,874	9,998	4,557	6,058	10,615
February	3,827	5,879	9,706	4,010	5,701	9,711
March	3,356	5,446	8,802	3,834	5,622	9,456
April	2,715	4,394	7,109	2,921	4,544	7,465
May	2,700	4,568	7,268	2,652	4,480	7,132
June	2,729	4,651	7,380	2,678	4,668	7,346
July	2,698	4,645	7,343	2,633	4,517	7,150
August	2,751	4,731	7,482	2,696	4,539	7,235
September	2,874	4,746	7,620	2,788	4,428	7,214
October	2,771	4,727	7,498	2,829	4,679	7,508
November	3,978	6,536	10,514	3,946	5,954	9,900
December	4,016	5,966	9,982	3,777	5,196	8,973
Rubber products:						
January	13,500	3,509	17,009	12,101	3,397	15,498
February	13,359	3,632	16,991	12,422	3,519	15,941
March	13,377	3,559	16,936	12,465	3,507	15,972
April	13,462	3,605	17,067	12,591	3,635	16,226
May	13,635	3,673	17,308	12,732	3,724	16,456
June	13,818	3,839	17,657	12,854	3,774	16,628
July	13,730	3,750	17,480	12,872	3,791	16,663
August	14,076	4,015	18,091	13,329	4,045	17,374
September	14,118	4,071	18,189	13,620	4,174	17,794
October	14,284	4,093	18,387	13,700	4,185	17,885
November	14,258	4,066	18,324	13,687	3,881	17,568
December	13,925	3,791	17,716	13,410	3,570	16,980
Leather products:						
January	15,350	11,765	27,115	14,676	11,048	25,724
February	15,550	12,172	27,722	14,954	11,491	26,445
March	15,604	12,284	27,888	15,142	11,586	26,728
April	15,383	12,019	27,402	14,937	11,383	26,320
May	15,248	11,805	27,053	14,875	11,153	26,028
June	15,170	11,767	26,937	15,094	11,254	26,348
July	15,195	12,005	27,200	15,022	11,442	26,464
August	15,407	12,397	27,804	15,284	11,896	27,180
September	15,228	12,311	27,539	15,403	11,891	27,294
October	15,083	12,193	27,276	15,497	11,792	27,289
November	15,181	12,135	27,316	15,701	11,762	27,463
December	14,890	11,679	26,569	15,503	11,580	27,083
Textile products (except clothing):						
January	36,895	21,385	58,280	33,464	19,615	53,079
February	37,227	21,494	58,721	34,965	20,130	55,095
March	37,126	21,340	58,466	35,081	20,668	55,749
April	36,106	21,063	57,169	35,255	20,264	55,519
May	32,801	19,986	52,787	35,498	20,400	55,898
June	36,983	21,399	58,382	35,431	20,428	55,859
July	36,119	20,821	56,940	35,641	20,096	55,737
August	36,241	21,052	57,293	36,126	20,531	56,657
September	36,050	21,419	57,469	36,741	21,512	58,253
October	36,362	21,479	57,841	37,117	21,752	58,869
November	36,860	21,992	58,852	37,197	21,666	58,863
December	36,403	21,112	57,515	36,851	21,049	57,900
Clothing:						
January	21,536	55,972	77,508	22,020	54,054	76,074
February	21,965	57,602	79,567	22,400	55,601	78,001
March	21,888	57,812	79,700	22,425	56,203	78,628
April	21,429	56,960	78,389	22,050	55,327	77,377
May	20,997	55,941	76,938	21,351	54,554	75,905
June	20,907	55,205	76,112	21,357	54,182	75,539
July	21,403	54,276	75,679	21,787	53,242	75,029
August	21,977	56,860	78,837	22,490	56,475	78,965
September	22,067	57,966	80,033	22,486	58,375	80,863
October	22,058	58,278	80,336	22,336	58,357	80,697
November	21,476	56,894	78,370	21,751	57,409	79,160
December	21,118	53,890	75,008	21,477	54,987	76,464

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1955 and 1956 - Continued

Group and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Knitting mills:						
January	6,337	13,378	19,715	6,348	12,271	18,619
February	6,380	13,611	19,991	6,423	12,552	18,975
March	6,382	13,730	20,112	6,236	12,366	18,602
April	6,242	13,493	19,735	6,061	12,099	18,160
May	6,223	13,404	19,627	6,232	11,987	18,219
June	6,133	13,356	19,489	6,252	12,099	18,351
July	5,920	12,941	18,861	6,397	12,133	18,530
August	6,109	13,353	19,462	6,473	12,889	19,362
September	5,707	13,241	18,948	6,597	13,362	19,959
October	5,821	13,544	19,365	6,401	13,325	19,726
November	5,757	13,582	19,339	6,502	13,581	20,083
December	5,907	13,434	19,341	6,515	13,236	19,751
Wood products:						
January	97,163	5,419	102,582	91,538	5,003	96,541
February	99,751	5,563	105,314	93,362	5,158	98,520
March	102,100	5,672	107,772	97,039	5,186	102,225
April	101,160	5,629	106,789	99,011	5,218	104,229
May	110,941	5,804	116,745	109,437	5,363	114,800
June	116,245	5,923	122,168	115,191	5,535	120,726
July	116,033	5,877	121,910	113,658	5,501	119,159
August	113,339	6,016	119,355	111,865	5,580	117,445
September	108,843	5,955	114,798	107,848	5,648	113,496
October	104,299	6,042	110,341	103,578	5,702	109,280
November	99,155	6,022	105,177	98,982	5,621	104,603
December	92,821	5,694	98,515	94,949	5,464	100,413
Paper products:						
January	64,662	8,056	72,718	61,794	7,579	69,373
February	64,906	8,103	73,009	61,904	7,639	69,543
March	65,147	8,083	73,230	62,502	7,714	70,216
April	66,756	8,259	75,015	63,592	7,704	71,296
May	68,540	8,468	77,008	65,887	7,916	73,803
June	71,006	8,531	79,537	68,433	8,217	76,650
July	71,770	8,536	80,306	69,347	8,229	77,576
August	71,828	8,753	80,581	69,880	8,501	78,381
September	70,540	8,926	79,466	68,617	8,654	77,271
October	69,356	8,857	78,213	67,757	8,729	76,486
November	67,440	8,726	76,166	66,262	8,479	74,741
December	66,207	8,496	74,703	65,448	8,275	73,723
Printing publishing and allied trades:						
January	33,303	8,391	41,694	32,996	8,574	41,570
February	33,433	8,361	41,794	33,005	8,427	41,432
March	33,665	8,386	42,051	33,111	8,421	41,532
April	33,767	8,469	42,236	33,226	8,398	41,624
May	33,898	8,481	42,379	33,187	8,384	41,571
June	34,124	8,601	42,725	33,489	8,563	42,052
July	34,037	8,664	42,701	33,304	8,597	41,901
August	33,846	8,673	42,519	33,252	8,605	41,857
September	34,382	9,111	43,493	33,345	8,775	42,120
October	34,543	9,228	43,771	33,483	8,839	42,322
November	34,664	9,358	44,022	33,741	8,990	42,731
December	34,624	8,752	43,376	33,477	8,539	42,016
Iron and steel products:						
January	139,322	6,688	146,010	122,118	6,357	128,475
February	142,362	6,745	149,107	126,017	6,427	132,444
March	144,658	7,003	151,661	128,496	6,506	135,002
April	146,392	7,112	153,504	130,967	6,632	137,599
May	148,569	7,214	155,783	133,321	6,716	140,037
June	151,093	7,282	158,375	134,792	6,760	141,552
July	150,275	7,194	157,469	135,887	6,693	142,580
August	146,950	7,050	154,000	137,441	6,735	144,176
September	146,612	7,110	153,722	140,145	6,890	147,035
October	149,365	7,245	156,610	140,517	6,991	147,508
November	150,088	7,202	157,290	140,199	7,087	147,286
December	146,572	7,043	153,615	138,848	6,905	145,753
Transportation equipment:						
January	96,043	2,939	98,982	92,611	3,610	96,221
February	104,676	3,831	108,507	102,425	3,984	106,409
March	111,912	4,301	116,213	105,336	4,054	109,390
April	113,143	4,348	117,491	106,283	4,164	110,447
May	112,807	4,161	116,968	105,556	4,267	109,823
June	111,305	3,780	115,085	105,083	4,022	109,105
July	106,725	3,278	110,003	100,492	3,775	104,267
August	87,851	2,898	90,749	95,561	3,152	98,713
September	99,444	3,617	103,061	96,470	3,376	99,846
October	107,792	3,850	111,642	91,499	3,141	94,640
November	110,933	3,861	114,794	94,164	3,210	97,374
December	111,406	3,857	115,263	95,462	3,048	98,510

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1955 and 1956 — Concluded

Group and month	1956			1955		
	Male	Female	Total	Male	Female	Total
	number					
Non-ferrous metal products:						
January	38,636	3,005	41,641	37,524	2,684	40,208
February	38,920	3,052	41,972	37,642	2,707	40,349
March	39,218	3,019	42,237	37,810	2,723	40,533
April	39,810	2,939	42,749	37,840	2,680	40,520
May	41,341	2,962	44,303	38,649	2,641	41,290
June	42,248	2,919	45,167	39,475	2,747	42,222
July	42,308	2,802	45,110	39,828	2,846	42,674
August	42,726	3,048	45,774	40,223	2,996	43,219
September	42,530	3,123	45,653	40,689	3,218	43,907
October	42,130	3,193	45,323	40,372	3,299	43,671
November	41,804	3,079	44,883	40,121	3,244	43,365
December	41,294	2,927	44,221	39,549	3,009	42,558
Electrical apparatus and supplies:						
January	37,006	16,677	53,683	34,524	14,820	49,344
February	38,340	16,354	54,694	34,576	14,619	49,195
March	39,211	16,498	55,709	34,468	14,381	48,849
April	39,037	16,489	55,526	34,541	14,123	48,664
May	39,214	16,335	55,549	34,990	14,233	49,223
June	39,847	16,612	56,459	35,558	14,841	50,399
July	39,827	16,468	56,295	35,017	15,168	50,185
August	40,975	17,438	58,413	36,740	16,702	53,442
September	41,293	17,578	58,871	36,593	18,231	54,824
October	41,777	17,715	59,492	35,608	18,747	54,355
November	41,535	17,373	58,908	35,869	18,450	54,319
December	40,885	16,258	57,143	36,296	17,204	53,500
Non metallic mineral products:						
January	27,739	1,934	29,673	25,179	1,783	26,962
February	27,732	1,975	29,707	25,572	1,832	27,404
March	28,502	1,890	30,392	26,337	1,975	28,312
April	29,886	1,997	31,883	28,045	1,896	29,941
May	31,928	2,097	34,025	29,949	1,998	31,947
June	33,086	2,096	35,182	31,429	2,089	33,518
July	33,342	2,015	35,357	32,525	2,229	34,754
August	32,780	2,008	34,788	33,008	2,173	35,181
September	32,352	1,968	34,320	32,304	2,117	34,421
October	32,112	1,887	33,999	31,923	2,075	33,998
November	30,799	1,880	32,679	30,821	2,111	32,932
December	29,039	1,895	30,934	29,285	2,033	31,318
Products of petroleum and coal:						
January	10,856	67	10,923	10,525	49	10,574
February	10,842	68	10,910	10,631	56	10,687
March	10,916	67	10,983	10,723	57	10,780
April	11,142	68	11,210	10,848	61	10,909
May	11,420	69	11,489	11,127	61	11,188
June	11,663	71	11,734	11,413	63	11,476
July	11,739	71	11,810	11,379	62	11,441
August	11,628	69	11,697	11,404	67	11,471
September	11,335	69	11,404	11,301	63	11,364
October	11,180	68	11,248	11,274	68	11,342
November	11,092	67	11,159	11,195	66	11,261
December	11,006	65	11,071	11,332	67	11,399
Chemicals and allied products:						
January	26,923	5,725	32,648	26,993	5,704	32,697
February	27,053	5,696	32,749	27,142	5,864	33,006
March	27,305	5,788	33,093	27,134	5,808	32,942
April	27,756	5,874	33,630	27,370	5,822	33,192
May	28,288	5,904	34,192	27,781	5,841	33,622
June	28,034	5,816	33,850	27,613	5,777	33,390
July	27,874	5,698	33,572	27,611	5,719	33,330
August	27,709	5,772	33,481	27,762	5,935	33,697
September	27,699	5,783	33,482	27,491	5,903	33,394
October	27,210	5,826	33,036	27,405	6,041	33,446
November	27,368	5,709	33,075	27,215	6,009	33,224
December	26,907	5,468	32,375	26,846	5,686	32,532
Miscellaneous industries:						
January	14,973	8,543	23,516	14,459	7,921	22,380
February	15,211	8,828	24,039	14,573	8,168	22,741
March	15,355	8,988	24,343	14,711	8,569	23,280
April	15,593	9,272	24,865	14,763	8,495	23,258
May	15,745	9,265	25,010	14,876	8,395	23,271
June	15,907	9,064	24,971	15,174	8,495	23,669
July	15,866	8,958	24,824	15,058	8,416	23,474
August	16,161	9,462	25,623	15,383	8,974	24,357
September	16,265	10,052	26,317	15,535	9,537	25,072
October	16,417	10,513	26,930	15,694	9,849	25,543
November	16,392	10,224	26,616	15,664	9,717	25,381
December	15,845	9,126	24,971	15,146	8,865	24,011

Subsection 4. Hours Worked in Manufacturing Industries

Hours Worked by Production Workers.—From 1932, the first year for which figures on hours worked per week by production workers are available, to 1945, each firm was required to report the number of hours worked by all its production workers during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Table 29 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all production workers, the hours worked per week declined from 48.9 in 1932 to 47.2 in 1939, and reached 50.6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2.8 p.c. of male and 5.3 p.c. of female production workers working under 30 hours per week, in 1944 these percentages rose to 5.3 and 12.5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male production workers totalled 47.6 and for females 42.7.

The method of collecting statistics on hours worked was changed in 1946. Instead of collecting this information for one week in the month of highest employment which varied

from plant to plant, the last week of November was chosen for the base period. For 1948 and subsequent years the period was changed to the last week in October. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Section. Establishments employing 15 hands or over only are covered. The statistics for 1946 to 1956 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

On the above basis, the hours worked per week declined for all workers engaged in manufacturing. The hours of male production workers dropped from 44.9 in 1946 to 42.5 in 1956, female production workers from 40.0 to 39.2, male office employees from 42.0 to 39.4 and female office employees from 39.5 to 37.9.

Persons employed in 1950 and 1953 were classified on the basis of earnings per week instead of hours worked. For this reason the distribution of employees by hours worked per week is not available for these years. It is the intention in future to classify employees one year on the basis of hours worked, the second year on the basis of weekly earnings, while in the third year no break-down of either the hours worked or weekly earnings will be collected. Instead a more detailed break-down of salaried employees into (a) managerial and professional and (b) office workers will be requested.

Administrative and office employees as a rule work shorter hours than production workers as the following figures for 1956 indicate.

	Production Workers	Supervisory and Office Employees
Both sexes	41.8	38.9
Male	42.5	39.4
Female	39.2	37.9

TABLE 29. Production Workers in Manufacturing, Working Specified Numbers of Hours per Week in the Month of Highest Employment, 1938-45¹

Note: Hours worked per week in 1934-37 are given at p. 393 of the 1942 edition of the Canada Year Book; in 1940 and 1941 at p. 392 of the 1943-44 edition.

Hours worked per week	1938	1939	1942	1943	1944	1945
per cent						
All production workers:						
30 or less	4.1	3.4	4.3	6.2	7.4	7.4
31-43	16.9	14.6	8.6	10.7	12.7	16.2
44	14.3	13.8	7.7	7.4	9.5	12.1
45-47	11.3	10.9	7.0	8.3	9.1	10.8
48	20.7	22.2	21.4	20.5	20.6	21.4
49-50	10.6	11.2	9.2	9.6	9.8	9.8
51-54	6.7	7.9	12.9	12.5	10.8	8.4
55	3.5	4.1	5.6	5.2	4.4	3.2
56-64	10.4	10.4	16.9	14.6	11.8	7.6
65 or over	1.5	1.5	6.4	5.0	3.9	3.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	46.7	47.2	50.2	48.8	47.5	46.2
Male production workers:						
30 or less	3.4	2.8	3.6	4.6	5.3	5.4
31-43	16.6	14.2	7.0	7.9	9.8	13.1
44	13.1	12.7	6.9	6.2	9.0	11.7
45-47	10.5	10.0	5.6	7.2	7.9	9.8
48	21.3	22.8	21.7	21.5	21.5	22.9
49-50	10.0	10.6	8.4	8.8	9.5	10.0
51-54	7.4	8.2	12.6	13.2	11.9	9.5
55	3.6	4.4	5.8	5.7	5.0	3.8
56-64	12.3	12.5	20.4	18.3	15.1	9.7
65 or over	1.8	1.8	8.0	6.6	5.0	4.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	47.3	48.1	51.3	50.4	49.1	47.6
Female production workers:						
30 or less	6.7	5.3	6.2	10.0	12.5	12.3
31-43	17.9	15.8	13.0	17.6	20.1	23.8
44	18.3	17.8	9.9	10.3	10.8	13.2
45-47	14.2	13.9	11.1	11.2	12.2	13.2
48	18.8	20.4	20.8	18.2	18.4	17.7
49-50	12.6	13.2	11.5	11.6	10.5	9.1
51-54	4.5	6.6	13.5	10.7	8.2	5.7
55	3.1	3.5	4.9	4.0	2.9	1.9
56-64	3.5	3.2	7.2	5.3	3.4	2.4
65 or over	4.4	3	1.9	1.1	1.0	.7
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.6	45.2	46.9	44.8	43.6	42.7

¹ For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

TABLE 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October, 1946-55¹

Hours worked per week	1946 ²	1947 ²	1948	1949	1952	1955
	per cent					
All production workers:						
30 or less	6.7	6.7	6.1	6.3	6.1	5.9
31-34	10.8	2.9	3.0	3.1	3.5	4.1
35-39		7.8	8.4	8.5	8.1	8.2
40	9.9	12.2	13.2	15.3	25.9	32.2
41-43	11.5	10.6	10.9	11.1	11.9	11.3
44	10.3	8.5	9.3	8.6	6.6	5.9
45-47	18.2	18.7	18.9	18.8	13.9	11.5
48	13.7	12.9	11.8	10.7	7.6	6.7
49-50	6.6	6.5	6.1	5.7	5.0	4.2
51-53	5.4	4.3	4.0	3.9	3.6	3.4
54		1.3	1.3	1.2	1.3	1.1
55-64	6.0	6.5	6.0	5.9	5.5	4.7
65 or over	0.9	1.1	1.0	0.9	1.0	0.8
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	43.7	43.7	43.6	43.3	42.6	42.0
Male production workers:						
30 or less	4.7	4.6	4.4	4.3	4.6	4.4
31-34	8.0	2.1	2.2	2.3	2.9	3.5
35-39		6.1	6.4	6.7	6.6	6.6
40	9.6	11.9	12.9	15.5	27.3	34.2
41-43	10.6	9.2	9.9	10.4	11.3	10.8
44	10.7	8.7	9.7	8.8	6.4	5.9
45-47	18.8	19.7	19.4	19.2	13.9	11.2
48	15.8	15.0	13.9	12.5	8.5	7.5
49-50	7.1	7.0	6.6	6.3	5.4	4.5
51-53	6.3	4.9	4.6	4.4	3.9	3.6
54		1.6	1.5	1.3	1.5	1.3
55-64	7.3	7.8	7.3	7.1	6.5	5.5
65 or over	1.1	1.4	1.2	1.2	1.2	1.0
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.9	44.9	44.7	44.4	43.4	42.7
Female production workers:						
30 or less	13.1	13.7	12.2	12.8	11.9	11.6
31-34	19.7	5.5	5.6	5.8	5.9	6.4
35-39		13.6	15.0	14.6	13.5	14.1
40	10.8	13.4	14.1	14.8	20.9	25.1
41-43	14.6	15.0	14.5	13.3	13.9	13.1
44	8.9	7.8	7.9	7.9	7.4	5.6
45-47	16.1	15.9	17.4	17.5	14.2	12.4
48	7.1	5.7	5.1	4.5	3.9	3.7
49-50	5.0	4.9	4.1	3.9	3.3	3.3
51-53	2.5	2.0	2.0	2.3	2.4	2.3
54		0.5	0.5	0.5	0.6	0.6
55-64	2.1	1.9	1.5	2.0	1.9	1.7
65 or over	0.1	0.1	0.1	0.1	0.2	0.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	40.0	39.7	39.8	39.8	39.6	39.4

¹ Classified statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics which are collected every third year cover establishments employing 15 hands or over only.

² Last week in November.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-56¹
 (Hours worked by wage-earners from 1938 to 1945 are given on page 53 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and Year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Canada:						
1946	43.7	44.9	40.0	41.1	42.0	39.5
1948	43.6	44.7	39.8	40.3	41.1	38.8
1949	43.3	44.4	39.8	40.1	40.8	38.6
1950	43.5	44.6	40.0	39.7	40.2	38.4
1951	42.0	43.0	37.9	39.5	40.0	38.2
1952	42.6	43.4	39.6	39.4	39.9	38.0
1953	41.7	42.6	38.5	39.0	39.5	37.9
1954	41.5	42.3	38.5	39.0	39.4	37.9
1955	42.0	42.7	39.4	39.1	39.6	37.9
1956	41.8	42.5	39.2	38.9	39.4	37.9
Newfoundland:						
1950	46.9	47.7	41.9	42.6	43.5	39.9
1951	45.5	46.1	40.5	43.0	43.3	42.0
1952	44.1	44.6	40.2	42.7	43.0	41.3
1953	43.2	43.8	37.4	41.8	42.0	41.0
1954	42.8	43.3	38.3	40.7	40.9	39.9
1955	41.5	41.9	38.0	41.4	41.6	40.8
1956	40.9	42.0	33.4	40.8	40.9	40.3
Prince Edward Island:						
1946	46.3	46.9	45.0	—	—	—
1948	45.8	46.7	42.6	—	—	—
1949	47.7	48.1	46.8	—	—	—
1950	44.0	46.0	39.2	41.0	41.0	41.1
1951	45.9	46.4	44.4	43.4	44.3	41.3
1952	45.2	46.1	40.9	41.3	41.7	40.6
1953	45.8	46.2	44.6	40.5	41.0	39.7
1954	45.2	45.8	43.0	40.5	40.8	39.7
1955	44.3	45.1	42.0	41.0	41.3	40.4
1956	44.7	45.8	41.8	40.8	41.2	40.1
Nova Scotia:						
1946	45.7	46.0	43.6	43.1	44.1	40.7
1948	45.8	46.0	44.5	41.7	42.4	39.9
1949	44.5	44.8	42.6	40.5	40.9	39.6
1950	44.8	45.0	43.7	40.8	41.0	40.1
1951	43.3	43.4	42.9	41.7	42.3	40.2
1952	42.4	42.4	42.5	42.3	43.2	39.8
1953	41.6	41.7	41.2	40.5	40.9	39.2
1954	41.1	41.4	39.3	40.8	41.6	38.6
1955	41.4	41.6	39.9	41.1	42.0	38.4
1956	41.3	41.3	41.0	40.5	41.3	38.3
New Brunswick:						
1946	46.0	46.7	42.9	43.2	44.3	40.9
1948	46.1	47.0	41.9	42.7	43.8	40.4
1949	45.4	46.9	41.3	42.8	43.8	40.6
1950	45.0	46.3	39.3	42.0	43.0	39.6
1951	44.3	45.5	39.1	41.8	42.6	40.1
1952	44.1	44.8	40.8	41.5	42.2	39.5
1953	42.7	43.8	37.0	40.9	41.1	40.6
1954	42.6	43.3	37.6	40.3	40.9	38.9
1955	43.2	43.9	39.0	40.5	41.3	38.2
1956	43.7	44.3	40.4	40.7	41.5	38.4
Quebec:						
1946	45.4	47.1	41.2	41.5	42.5	39.6
1948	45.2	46.8	40.9	40.6	41.4	39.0
1949	44.5	46.3	40.2	40.4	41.1	38.8
1950	44.9	46.7	40.6	39.8	40.5	38.4
1951	43.0	44.8	37.8	39.7	40.3	38.1
1952	44.0	45.5	40.1	39.5	40.0	38.2
1953	42.8	44.4	38.5	39.2	39.7	37.9
1954	42.3	43.7	38.7	39.0	39.4	37.8
1955	43.3	44.7	39.8	39.2	39.7	37.9
1956	43.2	44.5	39.7	39.0	39.4	37.8

See footnote at end of table.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada
by Provinces, 1946-56¹—Concluded

Province and Year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
average hours						
Ontario:						
1946	42.8	44.0	38.8	40.5	41.3	39.2
1948	42.9	43.9	38.9	39.8	40.6	38.4
1949	42.8	43.8	39.4	39.7	40.4	38.3
1950	43.0	44.0	39.5	39.3	39.8	38.1
1951	41.6	42.4	37.9	39.0	39.5	37.9
1952	42.1	42.8	39.3	39.0	39.6	37.7
1953	41.4	42.0	38.7	38.7	39.2	37.6
1954	41.2	41.8	38.6	38.8	39.2	37.7
1955	41.6	42.1	39.3	38.9	39.3	37.8
1956	41.3	41.9	39.1	38.7	39.1	37.7
Manitoba:						
1946	42.8	43.8	39.6	42.7	43.3	41.1
1948	43.1	44.1	39.6	41.8	42.5	40.4
1949	43.4	44.5	39.7	41.3	41.9	39.9
1950	43.6	44.6	40.0	40.9	41.3	39.8
1951	41.6	42.4	38.4	40.3	40.5	39.6
1952	41.6	42.2	39.7	39.9	40.4	38.5
1953	40.9	41.7	37.9	39.9	40.2	38.8
1954	41.2	41.9	38.7	39.3	39.7	38.0
1955	41.6	42.3	39.1	39.6	40.1	38.2
1956	41.2	41.7	39.3	39.4	39.9	38.1
Saskatchewan:						
1946	44.0	44.3	41.2	42.9	43.7	41.3
1948	43.0	43.6	39.0	41.9	42.4	41.1
1949	42.4	42.9	39.2	42.2	42.7	41.1
1950	42.4	42.8	39.1	42.1	42.5	41.3
1951	41.4	41.8	38.6	41.3	41.6	40.9
1952	41.4	41.8	38.9	41.5	42.0	40.3
1953	41.2	41.6	37.8	40.7	41.3	39.4
1954	41.5	42.3	35.8	40.5	40.6	40.1
1955	41.4	42.1	36.5	40.4	40.7	39.6
1956	40.7	41.2	37.3	40.2	40.5	39.5
Alberta:						
1946	43.2	43.5	41.6	42.9	43.6	41.5
1948	43.3	43.8	40.7	42.5	43.2	40.7
1949	43.5	43.9	40.7	42.2	42.8	40.6
1950	42.6	43.0	39.7	41.3	41.7	39.8
1951	41.3	41.6	38.6	41.3	41.6	40.3
1952	41.4	42.0	38.2	40.5	40.9	39.4
1953	41.2	41.7	38.1	40.0	40.4	38.8
1954	41.4	42.1	36.6	40.2	40.5	39.2
1955	41.3	41.8	37.9	39.9	40.4	38.6
1956	41.1	41.4	38.6	40.0	40.3	38.9
British Columbia:						
1946	41.2	41.5	39.2	41.9	42.4	40.6
1948	40.3	40.6	38.0	40.6	41.0	39.5
1949	40.1	40.5	37.2	40.4	40.7	39.6
1950	40.2	40.5	37.8	39.9	40.2	39.0
1951	39.1	39.5	35.9	40.0	40.2	39.1
1952	39.3	39.7	36.2	39.6	40.0	38.3
1953	39.5	39.8	36.4	39.4	39.7	38.4
1954	39.6	40.0	35.6	39.3	39.7	38.2
1955	39.6	39.9	36.4	39.4	39.8	38.2
1956	39.5	39.8	36.5	39.2	39.4	38.3

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1956 to the last week in October.

**TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada,
by Industrial Group, 1946-56¹**

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Foods and beverages:						
1946	43.9	45.7	38.8	42.2	43.2	40.3
1948	44.0	45.9	38.8	41.4	42.4	39.4
1949	44.3	46.2	39.4	41.2	42.1	39.4
1950	43.8	45.7	39.0	40.9	41.5	39.3
1951	43.4	45.0	39.0	40.5	41.1	39.1
1952	43.1	44.7	39.1	40.5	41.1	38.7
1953	42.6	44.1	38.8	40.0	40.6	38.4
1954	41.8	43.3	37.9	39.7	40.2	38.4
1955	42.0	43.5	38.2	39.9	40.6	38.2
1956	41.8	43.2	38.6	39.8	40.4	38.2
Tobacco and tobacco products:						
1946	42.9	45.6	41.4	41.3	42.1	40.4
1948	42.5	45.0	41.2	40.2	40.8	39.3
1949	43.6	45.6	42.6	40.0	40.5	39.2
1950	41.5	43.0	40.7	38.4	38.6	37.9
1951	41.5	43.8	40.0	37.3	37.5	36.8
1952	40.8	42.6	39.7	37.5	37.7	37.2
1953	40.5	41.8	39.7	37.3	37.4	37.2
1954	40.5	42.1	39.5	37.6	37.8	37.2
1955	40.3	41.4	39.7	37.8	38.0	37.3
1956	39.4	41.5	38.2	37.8	37.9	37.6
Rubber products:						
1946	44.8	45.6	42.3	40.4	40.9	39.2
1948	43.4	44.3	40.8	39.2	39.7	38.2
1949	42.3	42.8	40.9	39.2	39.7	38.2
1950	43.6	44.2	41.8	39.6	40.1	38.5
1951	41.4	42.0	39.5	38.3	38.4	38.0
1952	42.3	42.8	40.6	38.7	39.1	37.9
1953	41.4	42.3	38.6	38.9	39.1	38.2
1954	41.6	42.0	40.0	39.1	39.4	38.2
1955	43.0	43.6	40.8	38.9	39.2	38.3
1956	42.4	43.1	39.9	38.8	39.1	38.1
Leather products:						
1946	42.5	43.9	40.6	43.1	44.5	40.3
1948	41.0	42.0	39.5	41.4	42.5	39.2
1949	40.1	41.3	38.4	41.5	42.6	39.2
1950	40.4	41.8	38.6	41.2	42.2	39.2
1951	37.6	38.7	36.0	40.2	41.2	38.1
1952	41.0	42.2	39.4	40.4	41.2	38.4
1953	38.5	39.9	36.7	39.8	40.6	37.9
1954	37.8	38.7	36.5	39.6	40.5	37.9
1955	40.6	41.7	39.1	39.8	40.8	37.9
1956	40.4	41.7	38.9	39.6	40.4	37.8
Textile products (except clothing):						
1946	43.8	46.6	41.3	41.5	42.6	39.4
1948	44.4	46.4	41.5	41.0	42.1	39.2
1949	44.6	46.4	41.8	41.0	41.9	39.2
1950	44.7	46.3	42.1	40.2	40.9	38.7
1951	40.4	42.0	37.7	39.8	40.5	38.4
1952	43.5	44.7	41.2	39.4	40.0	38.3
1953	41.1	42.3	38.9	39.7	40.5	38.1
1954	43.0	44.3	40.6	39.3	40.0	38.0
1955	43.5	45.0	40.9	40.1	40.9	38.1
1956	43.2	44.7	40.5	39.1	39.6	37.7
Clothing (including knitting mills):						
1946	41.0	44.8	38.7	41.5	42.7	39.8
1948	40.1	42.6	39.0	40.9	42.2	39.4
1949	39.2	41.6	38.2	40.6	41.7	39.1
1950	40.1	42.6	39.0	40.0	40.9	38.7
1951	36.7	38.8	35.8	39.5	40.4	38.3
1952	39.9	42.5	38.8	39.5	40.3	38.4
1953	38.2	40.6	37.3	39.6	40.6	38.2
1954	38.4	40.5	37.5	39.4	40.4	38.0
1955	39.6	41.7	38.8	39.9	40.8	38.6
1956	39.8	42.3	39.0	39.5	40.4	38.3

See footnote at the end of the table.

**TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada,
by Industrial Group, 1946-56¹ - Continued**

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Wood products:						
1946	45.1	45.4	41.3	43.7	45.2	40.2
1948	44.0	44.2	40.8	42.4	43.6	39.3
1949	44.1	44.3	40.6	42.4	43.5	39.4
1950	44.1	44.3	41.0	41.7	42.6	39.2
1951	42.9	43.0	40.6	41.5	42.5	38.7
1952	43.8	44.0	41.1	41.5	42.6	38.4
1953	43.8	44.0	40.4	41.2	42.1	38.5
1954	43.2	43.4	40.2	40.9	41.8	38.2
1955	43.5	43.7	40.9	40.9	41.8	38.2
1956	43.3	43.4	40.7	40.8	41.6	38.1
Paper products:						
1946	47.1	48.2	41.0	40.9	41.6	39.4
1948	47.2	48.0	41.3	40.2	40.7	38.7
1949	47.1	47.9	41.9	39.9	40.4	38.4
1950	47.5	48.3	42.1	39.1	39.6	37.8
1951	46.5	47.2	40.9	38.9	39.3	38.0
1952	45.1	45.5	41.6	38.4	38.7	37.4
1953	43.6	44.0	40.0	38.0	38.3	37.1
1954	42.7	43.1	39.2	37.7	37.9	37.0
1955	43.0	43.2	41.0	37.7	38.0	37.0
1956	42.4	42.7	40.0	37.5	37.7	36.8
Printing, publishing and allied industries:						
1946	42.0	43.3	38.5	39.9	40.6	39.0
1948	40.9	42.0	37.8	39.0	39.4	38.3
1949	41.0	41.8	38.3	38.7	39.2	37.8
1950	40.4	41.2	37.9	38.2	38.3	38.0
1951	40.0	40.6	38.0	38.2	38.5	37.8
1952	40.0	40.6	38.0	37.9	38.0	37.6
1953	40.0	40.7	37.9	37.3	37.4	37.0
1954	40.2	40.7	38.4	37.7	37.9	37.3
1955	40.1	40.7	38.2	37.6	37.9	37.2
1956	40.3	40.9	38.1	37.3	37.5	37.1
Iron and steel products:						
1946	44.8	45.0	41.8	40.9	41.5	39.3
1948	44.8	45.0	41.6	40.1	40.7	38.6
1949	43.6	43.7	41.5	39.8	40.3	38.4
1950	44.0	44.1	41.4	39.5	39.9	38.3
1951	42.5	42.7	39.8	39.1	39.6	37.9
1952	42.8	42.9	40.1	39.1	39.5	38.0
1953	42.1	42.2	39.6	38.9	39.3	37.6
1954	41.6	41.7	38.9	38.9	39.2	37.8
1955	42.6	42.8	39.9	38.9	39.2	37.8
1956	42.4	42.5	39.2	38.8	39.2	37.7
Transportation equipment:						
1946	42.3	42.4	40.3	42.2	42.8	40.5
1948	43.2	43.2	40.7	41.6	42.1	40.2
1949	42.9	43.0	39.6	41.5	41.9	40.1
1950	43.8	43.9	40.2	41.4	41.8	39.8
1951	42.1	42.2	38.7	41.0	41.3	39.9
1952	42.3	42.4	38.5	41.7	42.5	39.2
1953	41.6	41.8	38.1	39.9	40.2	38.8
1954	41.3	41.4	38.4	40.3	40.7	38.8
1955	40.5	40.6	38.6	40.2	40.5	39.1
1956	40.8	40.9	39.1	40.2	40.5	39.1
Non-ferrous metal products:						
1946	44.0	44.5	40.9	41.6	42.4	40.1
1948	43.9	44.3	40.7	41.0	41.7	39.1
1949	44.4	44.6	41.8	40.9	41.8	38.8
1950	44.2	44.5	41.5	39.9	40.6	38.3
1951	41.8	42.0	40.0	39.6	40.2	38.1
1952	42.1	42.2	41.0	39.0	39.4	37.8
1953	41.5	41.6	39.8	39.4	39.9	37.8
1954	41.7	41.9	40.0	38.8	39.2	37.5
1955	42.0	42.1	40.7	38.6	39.1	37.3
1956	41.6	41.7	40.4	38.4	38.7	37.5

See footnote at the end of the table.

**TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada,
by Industrial Group, 1946-56¹ — Concluded**

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Electrical apparatus and supplies:						
1946	41.9	42.7	40.3	39.6	40.1	38.6
1948	41.8	42.6	39.5	39.0	39.3	38.3
1949	42.1	42.8	40.3	39.0	39.3	38.3
1950	42.4	43.3	40.2	38.6	38.8	38.0
1951	41.5	42.5	38.7	38.8	39.3	37.6
1952	42.1	42.8	40.1	38.5	38.8	37.6
1953	41.8	42.6	40.1	38.6	38.8	37.9
1954	40.9	41.5	39.5	38.8	39.1	38.1
1955	42.3	43.5	40.2	38.8	39.1	38.1
1956	41.7	42.7	39.3	39.1	39.4	38.4
Non-metallic mineral products:						
1946	46.1	46.6	42.0	41.4	42.3	39.2
1948	46.4	46.8	42.8	40.5	41.3	38.2
1949	46.0	46.4	41.8	39.9	40.8	37.8
1950	46.4	46.8	41.6	39.7	40.3	38.0
1951	45.0	45.3	40.2	39.3	39.9	37.6
1952	45.1	45.5	40.2	38.4	39.0	36.8
1953	44.4	44.7	40.9	39.2	39.9	37.1
1954	44.7	45.0	40.5	39.0	39.6	37.2
1955	45.0	45.3	40.5	39.5	40.1	37.5
1956	44.2	44.5	39.9	39.0	39.6	37.2
Products of petroleum and coal:						
1946	41.9	42.0	—	39.5	39.9	38.2
1948	42.1	42.1	—	38.2	38.5	37.1
1949	41.9	41.9	—	38.0	38.6	36.1
1950	41.3	41.3	—	36.7	37.4	34.1
1951	41.4	41.4	—	38.4	38.7	37.1
1952	41.5	41.5	—	36.7	37.0	35.9
1953	41.6	41.7	—	37.2	37.5	36.2
1954	41.6	41.7	—	36.8	37.0	36.1
1955	41.5	41.6	—	36.9	37.1	36.3
1956	40.6	40.6	—	36.8	37.0	36.1
Chemicals and allied products:						
1946	44.4	45.3	41.0	39.5	40.0	38.8
1948	44.0	44.9	40.4	38.8	39.3	38.0
1949	44.3	45.1	40.8	38.7	39.2	37.8
1950	43.4	44.1	40.1	38.3	38.8	37.5
1951	42.7	43.3	39.6	38.6	38.9	38.0
1952	42.3	42.8	39.6	38.4	38.7	37.9
1953	42.3	42.9	39.5	38.3	38.5	37.7
1954	41.6	42.1	39.0	38.0	38.2	37.6
1955	41.5	42.0	39.2	38.3	38.6	37.7
1956	41.5	42.0	39.2	38.0	38.1	37.6
Miscellaneous industries:						
1946	42.9	43.9	41.0	43.1	41.9	38.7
1948	42.3	43.6	40.4	41.7	41.2	38.2
1949	42.8	44.2	40.7	40.5	41.1	37.6
1950	42.8	44.3	40.6	40.0	41.0	38.4
1951	41.8	43.3	39.5	38.9	40.1	37.0
1952	42.4	44.3	39.8	38.3	39.5	35.9
1953	42.2	43.7	40.0	38.9	39.4	37.8
1954	42.1	43.7	40.3	38.8	39.6	37.5
1955	42.7	44.1	40.6	39.1	39.9	37.7
1956	42.5	43.9	40.6	38.3	38.9	37.4

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing, compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1956 to the last week in October.

Subsection 5. Earnings in Manufacturing Industries

In 1956, the 37,428 establishments covered, employed 301,297 administrative and office employees and 1,051,723 production workers, a total of 1,353,020 persons. Out every 1,000 persons employed in manufacturing, 223 were classed as office employees and 777 as production workers; the former earned 28 p.c. and the latter 72 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of that paid to office workers, in 1943 the percentage rose to 76, they declined to 69 in 1947 and rose to 74 in 1956. This tendency towards equalization was due, in part, to the controls adopted

by the Government during the war years which tended to stabilize earnings of office workers more so than the earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay.

Ontario has a larger proportion of females among its office employees than the other provinces. The same situation prevails in Quebec with regard to production workers, due, no doubt, to the textile industries of the Province. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female production workers engaged in the manufacturing industries of Canada in 1956, 41 p.c. were found in the textile and clothing groups.

Average earnings of office workers in 1956 amounted to \$4,222 which was \$1,386 or 49 p.c. higher than in 1949. Office

employees in Ontario with \$4,413 were the highest paid. Those in British Columbia were second with \$4,265, Quebec third with \$4,141 and Manitoba fourth with \$3,797. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salary of the provinces in which these cities are located.

Average earnings of production workers in 1956 amounted to \$3,136 which was \$1,069 or 52 p.c. higher than in 1949. The manufacturing industries of British Columbia paid the highest average annual wages of \$3,472. Ontario with \$3,349 was in second place, followed by Alberta with \$3,137, Saskatchewan \$3,114, Manitoba \$2,937, Newfoundland \$2,861, Quebec \$2,858, etc. The high figure shown for Yukon and Northwest Territories in regard to average earnings of production workers is due to the unusual conditions under which industry is carried on in these regions, and is not representative. Statistics of the distribution of employees by provinces and industrial groups as well as average annual earnings are given in Table 33.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1956
with Totals for Significant Years, 1917-55

Year	Administrative and office employees ²				Production workers			
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	number		dollars		number		dollars	
1917	64,918		85,353,667	1,315	541,605		412,448,177	762
1920	78,334		141,837,361	1,811	520,559		575,656,515	1,106
1922	71,586		129,836,831	1,814	384,670		359,560,399	935
1924	54,379	15,641	130,344,822	1,862	322,719	94,871	404,122,853	968
1926 ¹	58,245	17,092	142,353,900	1,890	374,244	109,580	483,328,342	999
1929 ¹	67,731	21,110	175,553,710	1,976	454,768	122,922	601,737,507	1,042
1930 ¹	64,161	20,550	169,992,216	2,007	416,790	113,195	527,563,162	995
1931 ²	71,198	20,293	172,289,095	1,883	337,636	99,513	415,277,895	950
1932	68,264	18,786	151,355,790	1,739	288,817	92,966	322,245,926	844
1933	67,875	18,761	139,317,946	1,608	287,266	94,756	296,929,878	777
1934	71,963	20,132	148,760,126	1,615	326,598	101,119	355,090,929	830
1935	76,213	21,717	160,455,080	1,638	353,790	104,944	399,012,697	870
1936	81,409	23,008	173,198,057	1,659	379,977	109,965	438,873,377	896
1937	91,092	24,735	195,983,475	1,692	427,285	117,339	525,743,562	965
1938	95,270	25,319	207,386,381	1,719	409,172	112,255	498,282,208	956
1939	98,165	26,607	217,839,334	1,746	415,488	117,854	519,971,819	975
1940	104,267	31,493	241,599,761	1,780	491,439	135,045	679,273,104	1,084
1941	117,251	41,693	286,336,861	1,801	626,825	175,409	978,525,782	1,220
1942	123,125	54,062	334,870,793	1,890	732,319	242,585	1,347,934,049	1,383
1943	128,679	64,516	388,857,505	2,013	762,854	285,019	1,598,434,879	1,525
1944	126,858	65,700	418,065,594	2,171	744,635	285,689	1,611,555,776	1,564
1945	128,601	62,106	417,857,619	2,191	680,620	248,045	1,427,915,830	1,538
1946	127,002	54,004	410,875,776	2,270	662,699	214,451	1,329,811,478	1,516
1947	135,248	55,852	474,693,800	2,484	721,407	219,243	1,611,232,166	1,713
1948	141,038	57,192	532,594,959	2,687	738,721	218,770	1,876,773,231	1,960
1949	157,516	64,035	628,427,937	2,836	732,457	217,199	1,963,462,720	2,067
1950	164,475	66,578	692,633,349	2,998	736,477	215,767	2,078,634,086	2,183
1951	176,943	70,844	816,714,604	3,296	792,394	218,194	2,459,566,313	2,434
1952	188,235	74,792	923,905,251	3,513	810,060	215,295	2,713,714,909	2,647
1953	195,843	78,382	1,016,679,409	3,707	828,363	224,863	2,940,338,939	2,792
1954	199,763	79,173	1,075,101,215	3,854	779,955	209,075	2,821,586,476	2,853
1955	206,881	80,588	1,147,142,086	3,990	796,721	214,271	2,995,267,448	2,963

¹ The averages of the number of production workers and earnings for the years 1931 to 1956 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years—as for the earliest—represent the earnings for complete man-years of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

² The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were required to report themselves as production workers. In 1931 and subsequent years, however, all such proprietors reported themselves as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1956
with Totals for Significant Years, 1917 to 1955 — Concluded

Year	Administrative and office employees				Production workers			
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	number		dollars		number		dollars	
Provinces, 1956								
Newfoundland	1,863	323	6,672,542	3,052	7,226	1,090	23,790,193	2,861
Prince Edward Island.....	338	96	981,372	2,261	926	415	2,252,032	1,679
Nova Scotia	3,780	1,161	16,142,859	3,267	22,471	3,525	67,805,651	2,608
New Brunswick	2,668	853	11,800,042	3,351	16,019	3,020	49,263,259	2,587
Quebec	68,315	26,101	391,023,668	4,141	257,492	94,229	1,005,390,896	2,858
Ontario	107,822	45,674	677,353,765	4,413	391,301	96,393	1,633,280,631	3,349
Manitoba	6,549	2,449	34,167,889	3,797	26,191	7,632	99,338,082	2,937
Saskatchewan	2,255	863	10,471,197	3,358	7,425	993	26,212,186	3,114
Alberta	6,804	2,150	32,877,638	3,672	24,192	3,646	87,317,467	3,137
British Columbia.....	15,864	5,323	90,360,706	4,265	77,982	9,426	303,508,682	3,472
Yukon and Northwest Territories	37	9	174,307	3,789	111	18	507,126	3,931
Canada totals,	216,295	85,002	1,272,025,985	4,222	831,336	220,387	3,298,666,205	3,136
Industrial groups, 1956								
Foods and beverages	26,392	10,986	139,119,490	3,722	108,121	37,509	392,514,769	2,695
Tobacco and tobacco products	810	416	6,073,932	4,954	3,208	5,179	24,234,923	2,890
Rubber products	3,897	1,628	23,377,147	4,231	13,800	3,811	58,777,742	3,338
Leather products.....	2,790	1,304	16,141,474	3,943	15,251	12,039	58,828,560	2,156
Textiles	8,886	4,357	55,745,640	4,209	36,380	21,250	143,581,870	2,491
Knitting mills	1,307	1,113	9,547,682	3,945	6,081	13,412	40,090,275	2,010
Clothing	7,222	4,481	48,393,341	4,135	21,594	56,502	159,822,870	2,046
Wood products	20,716	3,723	76,737,258	3,140	105,332	5,812	299,612,009	2,696
Paper products	12,239	4,797	89,885,892	5,276	68,176	8,493	297,000,524	3,874
Printing, publishing and allied industries	18,344	11,259	104,899,546	3,544	34,065	8,693	149,472,579	3,496
Iron and steel products	31,997	11,002	193,355,215	4,497	146,856	7,063	573,020,872	3,723
Transportation equipment	24,604	6,764	148,815,335	4,744	106,154	3,735	404,756,491	3,683
Non-ferrous metal products.....	8,840	3,201	55,832,556	4,637	41,080	2,950	164,537,184	3,737
Electrical apparatus and supplies	19,291	7,277	117,326,294	4,416	39,918	16,810	193,196,506	3,406
Non-metallic mineral products	5,710	1,696	31,417,495	4,242	30,790	1,969	111,805,668	3,413
Products of petroleum and coal	4,895	1,491	33,318,403	5,217	11,232	67	48,361,521	4,280
Chemicals and allied products	12,871	6,704	88,263,136	4,509	27,495	5,751	112,479,511	3,383
Miscellaneous industries.....	5,484	2,803	33,776,149	4,076	15,803	9,342	66,572,331	2,648

Average Annual Earnings in the Forty Leading Industries—

Variations in average earnings are related to the number of employees in industries or areas where pay levels are above or below the average because of differences in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industry, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

In 1956 there were eight industries paying office workers \$5,000 or over, as compared with none in 1951. Indicative of the rapidly changing pattern of remuneration in manufacturing is the fact that in 1945, the last year of the war, no industry paid office workers annual salaries of over \$3,000. The highest average earnings in the year were \$2,935 reported by the brewing industry. Highest average earnings in 1956, amounting to \$5,896 were received by the administrative and office employees of the pulp and paper industry which has held the premier position for a number of years. Breweries with \$5,571,

primary iron and steel \$5,372, petroleum products \$5,339, acids, alkalies and salts \$5,178, motor vehicles \$5,119, veneer and plywood \$5,111 and bridge and structural steel \$5,005 were the other industries with \$5,000 and over. There were nine other industries with average salaries of \$4,500 to \$5,000, fourteen with salaries of \$4,000 to \$4,500, six with salaries of \$3,000 to \$4,000 and the remaining three averaged below \$3,000. Bread and other bakery products with \$2,967, butter and cheese with \$2,929 and sawmills with \$2,426 were the three industries in this category. Average salaries in the forty leading industries totalled \$4,309 as compared with \$4,032 for the smaller industries. This lower average is due in part to a higher proportion of female office employees in the smaller industries. In the forty leading industries 26 p.c. of the office employees were female while in the smaller industries 33 p.c. were in this category.

The increase in the average earnings of production workers since 1945 paralleled that of administrative and office workers. Whereas in 1945 there were only four industries averaging over \$2,000, in 1956 none of the forty leading industries averaged below this figure. In 1945 the highest annual earnings, amounting to \$2,365, were paid by the motor vehicle industry, while in 1956 the highest earnings which totalled \$4,383 were paid by the primary iron and steel industry which displaced the

petroleum products industry that has been in first place for a number of years. The highest earnings are usually paid by industries in which the proportion of skilled workers is high, and the proportion of female workers is low. Seven industries in 1956 had average annual earnings of \$4,000 or more. These were: primary iron and steel \$4,383, petroleum products \$4,377, pulp and paper \$4,236, acids, alkalis and salts \$4,140, non-ferrous metal smelting and refining \$4,096, bridge and structural steel work \$4,034 and motor vehicles \$4,022. In ten other industries average annual earnings ranged between \$3,500 and \$4,000, in nine they were between \$3,000 and \$3,500, in nine other they were between \$2,500 and \$3,000 while in the remaining five they were below \$2,500. This last group includes

industries made up of a large number of small establishments and in which the proportion of female workers is high. Cotton yarn and cloth with \$2,476, women's factory clothing \$2,136, men's factory clothing \$2,082, leather footwear \$2,077 and fruit and vegetable preparations \$2,052 are the industries included in this category. Average annual earnings of production workers in the forty leading industries amounted to \$3,301 as compared with \$2,757 for the smaller industries. The lower average for the smaller industries is due mainly to a higher proportion of female workers. Employment by sex, and average annual earnings in the forty leading industries are given in Table 34.

TABLE 34. Annual Earnings in the Forty Leading Industries, 1956

Note: Industries ranked according to the aggregate salaries and wages paid

No.	Industry	Administrative and office employees				Production workers			
		Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
		number	number	dollars	dollars	number	number	dollars	dollars
1	Pulp and paper	8,286	2,581	64,075,889	5,896	54,079	1,039	233,496,055	4,236
2	Primary iron and steel	3,881	1,090	26,703,039	5,372	30,871	201	136,177,828	4,383
3	Sawmills	10,515	868	27,612,917	2,426	45,334	361	126,196,287	2,762
4	Motor vehicles	6,329	1,675	40,973,235	5,119	26,640	455	188,974,988	4,022
5	Aircraft and parts	10,159	2,917	60,860,882	4,654	21,920	567	85,567,132	3,805
6	Non-ferrous metal smelting and refining	4,297	1,052	25,950,477	4,851	25,389	49	104,189,467	4,096
7	Printing and publishing	9,557	5,251	54,375,481	3,672	14,153	1,946	61,650,372	3,829
8	Machinery, industrial	5,749	2,222	33,810,374	4,242	17,931	673	69,073,738	3,713
9	Railway rolling stock	2,367	364	13,323,443	4,879	25,351	36	87,405,728	3,443
10	Miscellaneous electrical apparatus and supplies	4,921	2,079	31,474,523	4,496	13,599	5,902	68,164,891	3,495
11	Machinery, heavy electrical	6,035	2,161	37,265,675	4,547	12,564	2,876	58,464,297	3,787
12	Bread and other bakery products	3,801	1,408	15,457,659	2,967	22,884	7,363	78,301,369	2,589
13	Furniture	4,369	1,417	21,821,357	3,771	24,652	2,286	71,647,394	2,660
14	Slaughtering and meat packing	4,117	1,346	23,389,774	4,281	15,576	3,628	67,082,111	3,493
15	Printing and bookbinding	4,458	2,072	25,573,743	3,916	13,604	5,223	57,829,687	3,072
16	Motor vehicle parts	3,154	1,096	20,300,052	4,776	14,868	2,353	62,061,805	3,604
17	Rubber goods, including footwear	3,897	1,628	23,377,147	4,231	13,800	3,811	58,777,742	3,338
18	Clothing, men's factory	2,565	1,622	17,182,199	4,104	8,215	19,639	57,989,744	2,082
19	Sheet metal products	3,094	1,157	19,618,651	4,615	14,127	1,634	54,126,836	3,434
20	Telecommunication equipment	6,259	2,083	34,925,368	4,187	6,818	6,243	37,643,549	2,882
21	Castings, iron	1,963	772	12,428,552	4,544	14,350	276	54,387,104	3,719
22	Petroleum products	4,338	1,271	29,946,374	5,339	8,252	64	36,395,264	4,377
23	Shipbuilding and repairs	2,089	563	11,045,967	4,165	15,037	93	53,639,583	3,545
24	Clothing, women's factory	1,854	1,407	15,039,244	4,612	5,253	17,307	48,184,536	2,136
25	Cotton yarn and cloth	2,122	1,131	13,193,627	4,056	12,186	6,500	46,265,185	2,476
26	Bridge and structural steel work	2,499	580	15,564,949	5,055	10,610	18	42,875,251	4,034
27	Butter and cheese	3,094	1,719	13,618,326	2,829	14,513	809	44,812,557	2,925
28	Sash, door and planing mills	3,335	680	13,717,673	3,417	15,725	202	40,986,845	2,573
29	Hardware, tools and cutlery	2,164	1,082	14,332,689	4,415	9,757	1,611	37,525,138	3,301
30	Synthetic textiles and silk	2,775	1,201	17,110,768	4,304	8,976	2,742	32,004,815	2,731
31	Boxes and bags, paper	1,908	1,001	11,994,339	4,123	7,959	4,661	36,857,355	2,921
32	Footwear, leather	1,725	831	9,794,375	3,832	9,117	8,508	36,600,267	2,077
33	Miscellaneous chemical products	2,957	1,218	19,025,879	4,557	6,869	1,413	27,003,441	3,260
34	Miscellaneous iron and steel products	1,984	509	10,704,843	4,294	8,586	420	30,316,794	3,385
35	Acids, alkalis and salts	2,257	694	15,280,533	5,178	6,064	68	25,384,039	4,140
36	Fruit and vegetable preparations	1,984	1,104	11,933,910	3,865	7,028	6,634	28,035,128	2,052
37	Wire and wire goods	1,488	644	9,566,478	4,487	7,269	794	30,234,739	3,750
38	Veneer and plywood	771	234	5,136,475	5,111	9,068	1,523	31,666,640	2,990
39	Breweries	1,619	427	11,397,925	5,571	6,619	59	25,372,422	3,799
40	Agricultural implements	2,043	524	10,776,491	4,198	7,182	89	25,927,087	3,566
	Totals, forty leading industries	152,779	53,682	889,681,302	4,309	612,745	120,076	2,419,295,210	3,301
	Totals, other industries	63,516	31,320	382,344,683	4,032	218,591	100,311	879,370,995	2,757
	Totals, all industries	216,295	85,002	1,272,025,985	4,222	831,336	220,387	3,298,666,205	3,136

Average Annual, Weekly and Hourly Earnings.— Statistics on employment and earnings are compiled in two separate divisions of the Bureau, viz. the Industry and Merchandising Division and the Labour Division. The Industry and Merchandising Division collects from every manufacturer once a year details of the number of persons employed and total payments made during the calendar year, classified by sex. This data is also classified into (a) administrative and office employees and (b) production and related workers. The office employees reported is the average for the year, while in the case of production workers manufacturers report the number of workers receiving pay during the last pay period of each month and the monthly average is calculated in the Bureau. We thus have statistics on employment broken down by sex with separate figures on the amounts paid to (a) administrative and office employees referred to as **Office Employees** and (b) production and related workers referred to as **Production Workers**. Average annual earnings, not broken down by sex, are, therefore, available for these two classes of employees.

Statistics on weekly and hourly earnings as well as hours worked per week are compiled by the Employment Section of the Labour Division. In addition to the monthly surveys on employment, payrolls and man-hours which covers all sectors of the economy, there is an annual survey on earnings and hours worked in the last week of October, covering the larger manufacturing establishments. Each year statistics of earnings and hours of male and female wage-earners and salaried employees are obtained, with additional detail collected in a three-year cycle since 1949. In 1956, as in 1953 and 1950, a distribution of wage-earners and salaried employees by amounts earned in the survey week was made. The first two inquiries had required distributions in \$5 intervals to \$60 per week, in \$10 intervals thereafter, with an upper class of \$100 and over while the 1956 survey called for distributions in \$10 intervals to \$150 a week. In 1955, a distribution of wage-earners in a given range of hours was obtained while, in 1954, information for office and clerical workers was segregated from that for managerial, professional and other salaried personnel. The annual and monthly surveys cover establishments usually employing 15 or more persons and include almost 90 p.c. of all employees in manufacturing as reported to the Annual Census of Manufactures.

Establishments co-operating in the annual surveys are asked to furnish material for all full-time, casual and part-time employees receiving pay in the last week in October, except home-workers. Proprietors, firm members, pensioners, and staffs of separately-organized sales offices are excluded. Establishments closed in the week because of labour disputes usually report for the nearest week of operation. Men and women are grouped as (1) wage-earners, defined generally as production workers, including working foremen, route-drivers, shipping and maintenance staffs, and related employees, and (2) salaried employees, comprising general office and clerical workers in the office and plant, executive, administrative and professional personnel, and travelling salesmen directly responsible to the plant administration. Hours and earnings in the week are required for workers of both sexes in each category.

The reported hours include full-time, short-time and overtime hours worked and any hours of paid absence in the week. The earnings cover the gross payrolls before deductions for taxes, unemployment insurance contributions, etc., including time, piece-work and commission earnings, regularly-paid incentive, cost-of-living and other bonuses, overtime earnings, and payments to persons absent with pay during the survey week.

While establishments differ to some extent in their classification of certain categories of employees, the proportions of salaried employees in the various industries and areas are generally related to the type and scale of operations. Where plants are typically small, as in Saskatchewan, proprietors and firm members (excluded from the surveys) frequently undertake managerial and office duties that in larger establishments require substantial staffs. On the other hand, large and multiple plant organizations and those requiring many professional workers, such as printing and publishing, employ above-average proportions of salaried personnel. Where travelling salesmen and associated office workers appear on the plant payroll, salaried workers are relatively more numerous than where separate sales offices are maintained. The proportions of em-

ployees reported as salaried staff and as wage-earners are affected by seasonal and market conditions and by other factors contributing to variations in production levels, which usually cause sharper fluctuations in numbers of wage-earners than of salaried employees.

Inter-industry and area variations in hours, as well as year-to-year changes, result from a variety of causes. These include (1) the length of the standard work week, (2) the number of casual and part-time workers and the hours they worked in the reported week, (3) amounts of overtime worked, and of time lost through absenteeism, labour turnover, industrial disputes, lay-offs, etc., (4) differing occupational requirements, and (5) varying proportions of men and women. Women generally average substantially less time than men. Their standard work week tends to be shorter, relatively small proportions of women are employed in industries where the work week is above-average, and they have a higher incidence of part-time work and of absenteeism.

Differences in average earnings are related to the distributions of employees in industries or areas where pay levels vary from the average because of variations in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, in levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industries, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

There are a few minor differences in the coverage and wording used by the two divisions. The terms "administrative and office employees" and "production and related workers" used by the Industry and Merchandising Division in its annual survey of manufactures corresponds more or less to the terms "salaried employees" and "wage-earners" used by the Employment Section of the Labour Division. There are, however, two minor differences in the two surveys. The Industry and Merchandising Division includes working proprietors with office employees while the Labour Division excludes them from their surveys. In the case of travelling salesmen attached to the plant the Labour Division includes them with salaried employees while the Industry and Merchandising Division does not consider them as being employed in manufacturing.

Prior to 1946 statistics on weekly and hourly earnings as well as hours worked by production workers were collected by the Industry and Merchandising Division in the annual survey of manufactures. Since then this phase of the work was taken over by the Employment Section of the Labour Division and was also expanded to include office employees.

The figures for the years 1934 to 1945 given in Table 35 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such a case it coincides for a great number of firms engaged in the same industry. The figures since 1946 are based on returns received from establishments employing 15 hands or over, and for 1946 and 1947 they refer to the last week in the month of November, whereas for 1948-1956 they refer to the last week in the month of October.

As mentioned above, average annual earnings in manufacturing, classified by sex, are not directly available. To calculate annual earnings by sex, the weekly earnings compiled by the Employment Section are correlated with the employment and payroll data obtained by the annual survey of manufactures. The following example will illustrate the method that is used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female office employees with total payments of \$46,537,336. From the October survey on weekly earnings this group showed

\$77.41 per week for male and \$34.88 per week for female office employees. The proportion of female to male earnings is therefore .451 $\left[\frac{\$34.88}{\$77.41} \right]$ Female employees are first reduced

to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

$$\frac{\$46,537,336}{9,077 + .451 (3,573)} = \frac{\$46,537,336}{10,688} = \$4,354$$

Annual Earnings of Female Employees

$$\$4,354 \times .451 = \$1,964$$

In the foregoing calculation the assumption is made that annual earnings of male and female employees vary in the same proportion as their weekly earnings. In the above illustration it may also be noted that the calculated annual earnings for male employees amounting to \$4,354 are higher than the weekly earnings multiplied by 52 which total only \$4,025 (\$77.41x52). This difference is due to the fact that the earnings reported to the Census of Manufactures include payments to executives as well as bonuses to employees which are usually paid at the end of the year, while the earnings reported for the one week in the year exclude such payments.

Average Annual, Weekly and Hourly Earnings of Production Workers.—Average weekly earnings of male production workers for manufacturing as a whole amounted to \$70.67 in 1956, an

increase of \$23.34 or 49 p.c. as compared with 1949. Average hourly earnings advanced from \$1.07 in 1949 to \$1.66 in 1956, an increase of 55 p.c., while annual earnings at \$3,458 were 51 p.c. higher. There are wide regional and industrial variations in hourly earnings. British Columbia is the highest paying province, hourly earnings for male production workers being \$1.90 in 1956 as compared with \$1.66 for Canada as a whole. Ontario with \$1.75 was second while Prince Edward Island with \$1.05 was the lowest. On an industrial basis, male workers in products of petroleum and coal industries were the highest paid with an hourly average of \$2.07, while the leather group was the lowest with \$1.24.

Female production workers received on an average \$39.29 per week in 1956, an increase of \$12.11 or 45 p.c. since 1949. Hourly earnings at \$1.00 were 47 p.c. higher, while annual earnings at \$1,923 were 46 p.c. higher. In the case of females British Columbia with \$1.20 per hour was also the highest paying province, while Newfoundland with 57 cents was the lowest. The transportation equipment and tobacco groups with \$1.37 per hour paid the highest wages to its female production workers, and the leather products group the lowest with 85 cents per hour. The leather products group had the lowest hourly earnings for both male and female production workers.

The following table gives the weekly and hourly earnings of male and female production workers for each province and major industrial group for the year 1956.

Average Weekly and Hourly Earnings of Male and Female Production Workers, by Provinces and Industrial Groups, 1956

Province and industrial group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
	dollars			
Provinces				
Newfoundland	65.52	1.56	19.12	0.57
Prince Edward Island	47.92	1.05	25.69	0.61
Nova Scotia	58.19	1.41	25.88	0.63
New Brunswick	62.65	1.41	29.36	0.73
Quebec	67.56	1.52	37.46	0.94
Ontario	73.39	1.75	41.69	1.07
Manitoba	65.65	1.57	35.76	0.91
Saskatchewan	65.62	1.59	38.23	1.02
Alberta	67.96	1.64	42.72	1.11
British Columbia	75.53	1.90	43.67	1.20
Canada	70.67	1.66	39.29	1.00
Industrial groups				
Foods and beverages	62.35	1.44	36.12	0.94
Tobacco and tobacco products	70.10	1.69	52.43	1.37
Rubber products	74.79	1.74	45.47	1.14
Leather products	51.92	1.24	33.06	0.85
Textile products (except clothing)	56.89	1.27	39.53	0.98
Clothing, including knitting mills	59.78	1.41	35.00	0.90
Wood products	59.19	1.36	43.38	1.06
Paper products	80.45	1.88	41.00	1.03
Printing, publishing and allied industries	82.19	2.01	38.83	1.02
Iron and steel products	76.08	1.79	49.05	1.25
Transportation equipment	73.43	1.80	53.40	1.37
Non-ferrous metal products	74.82	1.79	39.57	0.98
Electrical apparatus and supplies	75.52	1.77	49.89	1.27
Non-metallic mineral products	70.61	1.59	46.83	1.17
Products of petroleum and coal	84.21	2.07	--	--
Chemicals and allied products	72.19	1.72	41.70	1.06
Miscellaneous industries	62.73	1.43	37.26	0.92

TABLE 35. Average Annual, Weekly and Hourly Earnings of Production Workers, Employed in the Manufacturing Industries, 1934-56¹

Note. Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
1934	830	18.30	0.37	930	20.31	0.41 ²	539	11.80	0.25 ²
1935	870	18.50	0.38	966	20.41	0.41 ²	570	12.04	0.26 ²
1936	896	18.96	0.39	995	20.92	0.42 ²	577	12.20	0.26 ²
1937	965	3	3	3	3	3	3	3	3
1938	956	19.49	0.42	1,055	21.49	0.45	594	12.10	0.27
1939	975	20.14	0.43	1,076	22.23	0.46	619	12.78	0.28
1940	1,084	22.35	0.45	1,202	24.82	0.49	655	13.52	0.27
1941	1,220	24.95	0.49	1,355	27.72	0.54	736	15.05	0.32
1942	1,383	28.18	0.56	1,558	31.75	0.62	854	17.41	0.37
1943	1,525	29.87	0.61	1,726	33.80	0.67	987	19.33	0.43
1944	1,564	31.05	0.65	1,761	34.95	0.71	1,051	20.89	0.48
1945	1,538	30.98	0.67	1,739	35.04	0.74	984	19.84	0.47
1946	1,516	32.38	0.74	1,702	36.23	0.81	943	20.08	0.50
1947	1,713	37.19	0.85	1,909	41.35	0.92	1,067	23.11	0.58
1948	1,960	41.25	0.95	2,175	45.73	1.02	1,233	25.91	0.65
1949	2,067	42.61	0.98	2,291	47.33	1.07	1,315	27.18	0.68
1950	2,183	45.94	1.06	2,419	50.93	1.14	1,376	29.00	0.73
1951	2,434	51.32	1.22	2,693	56.46	1.31	1,492	31.27	0.83
1952	2,647	55.17	1.30	2,915	60.85	1.40	1,638	34.17	0.86
1953	2,792	56.75	1.36	3,082	62.71	1.47	1,723	35.07	0.91
1954	2,853	57.99	1.40	3,145	63.98	1.51	1,764	35.90	0.93
1955	2,963	60.53	1.44	3,267	66.86	1.57	1,833	37.52	0.95
1956	3,136	63.97	1.53	3,458	70.67	1.66	1,923	39.29	1.00

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1956 to the last week in October. Annual earnings are calculated. See text on page 76.

² Estimated on the basis of hours worked by female workers in 1938 and 1939 as compared with those worked by male workers in these years.

³ Not available.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-56

(Statistics for the years 1938-45 are published on page 60 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Newfoundland:									
1949 ¹	2,392	—	—	—	—	—	—	—	—
1950	2,626	46.52	0.99	2,919	50.85	1.07	1,016	17.72	0.42
1951 ²	2,350	52.37	1.15	2,613	56.80	1.23	852	18.51	0.46
1952	2,479	54.42	1.23	2,705	58.78	1.32	903	19.62	0.49
1953	2,549	57.11	1.32	2,735	60.50	1.38	911	20.13	0.54
1954	2,820	57.57	1.35	3,059	61.67	1.43	1,043	21.01	0.55
1955	2,752	56.93	1.37	3,053	61.17	1.46	1,035	20.72	0.55
1956	2,861	59.89	1.46	3,154	65.52	1.56	921	19.12	0.57
Prince Edward Island:									
1946	911	21.51	0.46	1,097	25.42	0.54	555	12.87	0.29
1948	1,149	27.68	0.60	1,317	30.68	0.66	715	16.66	0.39
1949	1,145	29.76	0.62	1,323	33.96	0.71	718	18.45	0.40
1950	1,220	30.36	0.69	1,456	35.97	0.78	667	16.46	0.42
1951	1,312	34.10	0.74	1,521	38.33	0.83	808	20.34	0.46
1952	1,455	43.53	0.96	1,719	48.13	1.04	801	22.41	0.55
1953	1,616	38.07	0.83	1,846	42.94	0.93	1,032	24.02	0.54
1954	1,591	39.55	0.88	1,832	44.47	0.97	967	23.48	0.55
1955	1,607	39.76	0.90	1,857	45.82	1.02	940	23.17	0.55
1956	1,679	42.03	0.94	1,962	47.92	1.05	1,052	25.69	0.61

¹ Dash indicates that the information is not available.

² The average annual earnings are calculated on the basis of the total amount paid during the year as reported to census of industry, while the weekly earnings are based on an analysis of the pay-list for the last week in October and only cover establishments employing 15 hands or over. The drop in the average annual earnings is due in part to these factors as well as to the fact that in 1951 statistics for the processing of fish in Newfoundland were included with manufactures for the first time. As this is a seasonal industry annual earnings are, therefore, lower. In 1951 average annual earnings of production workers for both sexes for this industry averaged \$1,151 as compared with \$2,806 for the other industries of the province.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-56 — Continued

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Nova Scotia:									
1946	1,398	31.44	0.69	1,502	33.90	0.74	762	17.18	0.39
1948	1,680	37.74	0.82	1,810	40.66	0.88	901	20.25	0.46
1949	1,810	39.56	0.89	1,959	42.87	0.96	911	19.94	0.47
1950	1,852	39.74	0.89	2,002	42.98	0.96	973	20.89	0.48
1951	2,024	44.77	1.03	2,179	48.30	1.11	998	22.14	0.52
1952	2,187	46.89	1.11	2,349	50.41	1.19	1,113	23.89	0.56
1953	2,313	49.27	1.18	2,494	53.15	1.27	1,100	23.45	0.57
1954	2,337	48.37	1.18	2,520	52.41	1.27	1,106	23.01	0.58
1955	2,446	51.53	1.25	2,641	55.62	1.34	1,173	24.70	0.62
1956	2,608	53.61	1.30	2,821	58.19	1.41	1,255	25.88	0.63
New Brunswick:									
1946	1,390	30.54	0.66	1,528	33.58	0.72	781	17.16	0.40
1948	1,741	38.03	0.84	1,915	41.55	0.88	1,015	22.04	0.53
1949	1,823	38.64	0.85	1,983	42.18	0.91	1,114	23.71	0.57
1950	1,865	40.68	0.90	2,035	44.45	0.96	1,099	24.01	0.61
1951	2,087	46.87	1.06	2,275	51.42	1.13	1,188	26.86	0.69
1952	2,201	48.33	1.10	2,376	52.19	1.17	1,340	29.42	0.72
1953	2,326	49.93	1.17	2,534	54.48	1.24	1,234	26.51	0.72
1954	2,375	51.28	1.21	2,594	55.16	1.27	1,209	25.70	0.68
1955	2,414	54.37	1.26	2,628	58.82	1.34	1,267	28.33	0.73
1956	2,587	57.61	1.32	2,826	62.65	1.41	1,325	29.36	0.73
Quebec:									
1946	1,445	30.51	0.67	1,660	34.95	0.74	926	19.49	0.47
1948	1,829	38.60	0.85	2,077	43.80	0.94	1,190	25.11	0.61
1949	1,907	39.61	0.89	2,171	45.19	0.98	1,246	25.93	0.65
1950	1,995	42.21	0.94	2,273	48.15	1.03	1,305	27.65	0.68
1951	2,216	47.26	1.10	2,528	53.58	1.20	1,385	29.37	0.78
1952	2,413	50.64	1.15	2,741	57.74	1.27	1,519	32.00	0.80
1953	2,558	52.48	1.23	2,911	59.72	1.35	1,592	32.67	0.85
1954	2,614	53.04	1.25	2,961	60.28	1.38	1,661	33.80	0.87
1955	2,695	55.84	1.29	3,061	63.69	1.43	1,708	35.53	0.89
1956	2,858	59.39	1.38	3,246	67.56	1.52	1,798	37.46	0.94
Ontario:									
1946	1,552	33.26	0.78	1,738	37.09	0.84	963	20.53	0.53
1948	2,060	42.86	1.00	2,273	47.10	1.07	1,300	26.92	0.69
1949	2,187	44.34	1.04	2,405	48.88	1.12	1,400	28.45	0.72
1950	2,328	48.46	1.13	2,560	53.33	1.21	1,472	30.69	0.78
1951	2,602	53.87	1.30	2,848	58.60	1.38	1,635	33.66	0.89
1952	2,840	58.27	1.38	3,094	63.60	1.49	1,788	36.78	0.94
1953	2,980	59.34	1.44	3,257	65.00	1.55	1,892	37.74	0.98
1954	3,026	60.83	1.48	3,304	66.54	1.59	1,916	38.56	1.00
1955	3,166	63.25	1.52	3,457	69.25	1.64	1,998	40.06	1.02
1956	3,349	66.87	1.62	3,662	73.39	1.75	2,080	41.69	1.07
Manitoba:									
1946	1,491	31.16	0.73	1,662	34.51	0.79	949	19.72	0.50
1948	1,833	39.22	0.91	2,042	43.48	0.99	1,144	24.35	0.62
1949	1,900	41.06	0.95	2,114	45.39	1.02	1,222	26.24	0.66
1950	2,013	43.73	1.00	2,234	48.30	1.08	1,276	27.56	0.69
1951	2,270	48.46	1.17	2,532	53.21	1.26	1,382	29.07	0.76
1952	2,443	51.17	1.23	2,698	56.34	1.34	1,562	32.63	0.82
1953	2,619	53.48	1.31	2,925	59.21	1.42	1,580	31.98	0.84
1954	2,647	54.85	1.33	2,939	60.70	1.45	1,631	33.67	0.87
1955	2,762	57.10	1.37	3,090	63.38	1.50	1,666	34.19	0.87
1956	2,937	59.19	1.44	3,273	65.65	1.57	1,784	35.76	0.91
Saskatchewan:									
1946	1,455	32.78	0.75	1,531	34.11	0.77	1,007	22.45	0.55
1948	1,916	40.12	0.93	2,022	42.12	0.97	1,252	26.09	0.67
1949	2,042	41.34	0.98	2,142	43.33	1.01	1,384	27.99	0.71
1950	2,115	43.71	1.03	2,217	45.58	1.07	1,419	29.17	0.75
1951	2,363	49.18	1.19	2,473	51.58	1.23	1,568	32.69	0.85
1952	2,609	52.87	1.28	2,730	55.30	1.32	1,753	35.52	0.91
1953	2,785	56.33	1.37	2,909	58.73	1.41	1,865	37.62	1.00
1954	2,900	58.67	1.41	3,056	61.86	1.46	1,748	35.41	0.99
1955	3,017	60.13	1.45	3,181	63.70	1.51	1,797	36.00	0.99
1956	3,114	62.13	1.53	3,275	65.62	1.59	1,909	38.23	1.02
Alberta:									
1946	1,477	32.40	0.75	1,582	34.50	0.79	981	21.38	0.51
1948	1,890	41.35	0.96	2,005	43.80	1.00	1,251	27.31	0.67
1949	2,025	43.80	1.01	2,137	46.01	1.05	1,385	29.83	0.73
1950	2,113	44.86	1.05	2,223	47.09	1.10	1,445	30.61	0.77
1951	2,323	50.39	1.22	2,449	52.83	1.27	1,531	33.04	0.86
1952	2,518	55.10	1.33	2,653	58.30	1.39	1,661	36.48	0.96
1953	2,718	58.43	1.42	2,864	61.66	1.48	1,787	38.45	1.01
1954	2,870	60.82	1.47	3,037	64.00	1.52	1,795	37.81	1.03
1955	2,977	61.80	1.50	3,141	65.16	1.56	1,894	39.31	1.04
1956	3,137	64.58	1.57	3,297	67.96	1.64	2,074	42.72	1.11

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-56 — Concluded

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
British Columbia:									
1946	1,750	36.83	0.89	1,956	39.01	0.94	1,156	23.05	0.59
1948	2,182	46.02	1.14	2,298	48.27	1.19	1,360	28.58	0.75
1949	2,282	47.36	1.18	2,410	49.82	1.23	1,381	28.57	0.77
1950	2,393	50.73	1.26	2,522	53.34	1.32	1,458	30.84	0.82
1951	2,723	58.65	1.50	2,871	61.70	1.56	1,599	34.36	0.96
1952	2,975	62.21	1.58	3,127	65.35	1.65	1,776	37.11	1.03
1953	3,108	64.76	1.64	3,277	68.10	1.71	1,842	38.28	1.05
1954	3,221	66.95	1.69	3,386	70.07	1.75	1,900	39.31	1.10
1955	3,307	68.88	1.74	3,473	72.14	1.81	1,973	40.96	1.12
1956	3,472	72.39	1.83	3,636	75.53	1.90	2,103	43.67	1.20
Yukon and Northwest Territories ¹ :									
1946	2,249	—	—	—	—	—	—	—	—
1948	2,824	—	—	—	—	—	—	—	—
1949	2,502	—	—	—	—	—	—	—	—
1950	2,523	—	—	—	—	—	—	—	—
1951	2,686	—	—	—	—	—	—	—	—
1952	3,366	—	—	—	—	—	—	—	—
1953	3,331	—	—	—	—	—	—	—	—
1954	3,376	—	—	—	—	—	—	—	—
1955	3,684	—	—	—	—	—	—	—	—
1956	3,931	—	—	—	—	—	—	—	—

¹ Dash indicates that the information is not available.

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-56

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
Foods and beverages:									
1946	1,389	29.15	0.66	1,574	33.09	0.72	869	18.27	0.47
1948	1,718	36.56	0.83	1,945	41.68	0.91	1,064	22.31	0.59
1949	1,817	38.45	0.87	2,046	43.98	0.95	1,140	24.51	0.62
1950	1,914	39.99	0.91	2,159	45.84	1.00	1,194	25.35	0.65
1951	2,113	44.79	1.03	2,371	50.67	1.13	1,370	29.29	0.75
1952	2,285	47.75	1.11	2,564	54.36	1.22	1,467	31.12	0.80
1953	2,393	49.47	1.16	2,687	56.52	1.28	1,537	32.31	0.83
1954	2,482	50.17	1.20	2,786	57.20	1.32	1,577	32.40	0.86
1955	2,570	51.88	1.24	2,882	59.16	1.36	1,654	33.96	0.89
1956	2,695	54.51	1.30	3,023	62.35	1.44	1,750	36.12	0.94
Tobacco and tobacco products:									
1946	1,168	23.85	0.56	1,468	30.05	0.66	995	20.37	0.49
1948	1,717	35.53	0.84	2,105	44.15	0.98	1,488	31.23	0.76
1949	1,882	38.63	0.89	2,258	46.74	1.03	1,662	34.42	0.81
1950	2,011	40.92	0.99	2,361	48.33	1.12	1,799	36.83	0.91
1951	2,279	51.75	1.25	2,657	60.49	1.38	2,030	46.24	1.16
1952	2,526	50.96	1.25	2,975	60.24	1.41	2,231	45.18	1.14
1953	2,580	52.43	1.30	3,025	61.69	1.48	2,305	46.99	1.18
1954	2,703	56.28	1.39	3,113	64.82	1.54	2,441	50.85	1.29
1955	2,849	57.14	1.42	3,282	66.30	1.60	2,567	51.84	1.31
1956	2,890	58.82	1.49	3,422	70.10	1.69	2,560	52.43	1.37
Rubber products:									
1946	1,567	36.78	0.82	1,769	41.09	0.90	1,031	23.96	0.57
1948	2,108	45.22	1.04	2,338	49.84	1.13	1,481	31.17	0.76
1949	2,138	43.36	1.03	2,353	47.68	1.11	1,520	30.80	0.75
1950	2,326	48.63	1.12	2,563	53.97	1.22	1,625	34.23	0.82
1951	2,622	54.69	1.32	2,861	59.77	1.42	1,848	38.59	0.98
1952	2,858	58.04	1.37	3,117	63.60	1.49	2,039	41.62	1.03
1953	2,981	59.08	1.43	3,259	64.74	1.53	2,102	41.73	1.08
1954	2,992	59.91	1.44	3,237	64.82	1.54	2,133	42.69	1.07
1955	3,154	65.03	1.51	3,434	70.87	1.63	2,191	45.18	1.11
1956	3,338	68.36	1.61	3,647	74.79	1.74	2,217	45.47	1.14
Leather products:									
1946	1,192	25.03	0.59	1,421	29.85	0.68	863	18.11	0.45
1948	1,428	30.22	0.74	1,684	35.57	0.85	1,054	22.28	0.56
1949	1,528	30.84	0.77	1,807	36.39	0.88	1,131	22.77	0.59
1950	1,562	32.80	0.81	1,850	38.96	0.93	1,149	24.20	0.63
1951	1,684	33.61	0.89	1,992	39.71	1.03	1,251	24.95	0.69
1952	1,890	38.38	0.94	2,218	46.04	1.09	1,371	28.45	0.72
1953	1,928	37.90	0.98	2,310	45.27	1.14	1,437	28.18	0.77
1954	1,958	37.87	1.00	2,306	44.48	1.15	1,492	28.78	0.79
1955	2,033	42.04	1.04	2,417	50.00	1.20	1,525	31.54	0.81
1956	2,156	43.37	1.07	2,567	51.92	1.24	1,635	33.06	0.85

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-56 -- Continued

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Textile products (except clothing):									
1946	1,271	24.13	0.55	1,453	28.33	0.61	1,019	19.87	0.48
1948	1,707	34.10	0.77	1,946	38.93	0.84	1,349	26.98	0.65
1949	1,830	36.93	0.83	2,068	41.67	0.90	1,458	29.39	0.70
1950	1,909	39.38	0.88	2,141	44.17	0.95	1,527	31.49	0.75
1951	2,046	40.00	0.99	2,292	44.81	1.07	1,627	31.82	0.84
1952	2,223	45.68	1.05	2,477	50.73	1.14	1,788	36.63	0.89
1953	2,278	44.20	1.08	2,545	49.28	1.17	1,825	35.34	0.91
1954	2,348	47.43	1.10	2,629	52.93	1.20	1,861	37.46	0.92
1955	2,423	48.36	1.11	2,702	54.21	1.20	1,905	38.22	0.93
1956	2,491	50.53	1.17	2,807	56.89	1.27	1,951	39.53	0.98
Clothing, including knitting mills:									
1946	1,191	25.38	0.62	1,693	34.54	0.77	972	19.81	0.51
1948	1,465	30.16	0.75	2,065	42.64	1.00	1,198	24.73	0.63
1949	1,542	30.46	0.78	2,170	43.31	1.04	1,261	25.17	0.66
1950	1,588	32.64	0.81	2,242	46.35	1.09	1,294	26.75	0.69
1951	1,691	33.21	0.91	2,383	47.14	1.22	1,380	27.28	0.76
1952	1,812	37.39	0.94	2,579	54.06	1.27	1,473	30.85	0.80
1953	1,886	37.15	0.97	2,667	53.33	1.31	1,547	30.94	0.83
1954	1,897	38.08	0.99	2,655	53.79	1.33	1,566	31.74	0.85
1955	1,940	38.96	0.98	2,725	55.56	1.33	1,613	32.90	0.85
1956	2,049	41.49	1.04	2,915	59.78	1.41	1,705	35.00	0.90
Wood products:									
1946	1,337	30.94	0.69	1,366	31.73	0.70	904	21.02	0.51
1948	1,727	39.16	0.89	1,758	40.00	0.91	1,199	27.30	0.67
1949	1,836	40.40	0.92	1,869	41.20	0.93	1,256	27.69	0.68
1950	1,925	43.61	0.99	1,957	44.48	1.00	1,335	30.34	0.74
1951	2,136	48.18	1.12	2,166	48.98	1.14	1,525	34.47	0.85
1952	2,279	51.86	1.18	2,312	52.80	1.20	1,637	37.36	0.91
1953	2,399	53.40	1.22	2,435	54.36	1.24	1,717	38.35	0.95
1954	2,484	54.52	1.26	2,521	55.41	1.28	1,787	39.29	0.98
1955	2,599	56.38	1.30	2,635	57.29	1.31	1,929	41.94	1.03
1956	2,696	58.22	1.35	2,734	59.19	1.36	2,004	43.38	1.06
Paper products:									
1946	1,835	36.97	0.79	2,004	40.20	0.83	944	18.94	0.46
1948	2,431	49.09	1.04	2,616	52.42	1.09	1,248	24.99	0.61
1949	2,535	49.74	1.06	2,721	53.31	1.11	1,350	26.44	0.63
1950	2,709	54.15	1.14	2,906	57.77	1.20	1,444	28.71	0.68
1951	3,130	63.98	1.38	3,347	67.87	1.44	1,630	33.05	0.81
1952	3,294	64.27	1.43	3,499	67.89	1.49	1,774	34.40	0.83
1953	3,434	66.85	1.53	3,648	70.77	1.61	1,842	35.77	0.89
1954	3,548	69.15	1.62	3,760	72.80	1.69	1,891	36.65	0.94
1955	3,652	72.34	1.68	3,858	76.26	1.77	1,983	39.17	0.96
1956	3,874	76.38	1.80	4,096	80.45	1.88	2,089	41.00	1.03
Printing, publishing and allied industries:									
1946	1,609	34.57	0.82	1,882	40.53	0.94	869	18.71	0.49
1948	2,082	42.90	1.05	2,395	49.52	1.18	1,109	22.94	0.61
1949	2,239	47.19	1.15	2,550	53.59	1.28	1,221	25.66	0.67
1950	2,413	50.30	1.25	2,747	57.64	1.40	1,277	26.80	0.71
1951	2,575	54.24	1.36	2,917	61.87	1.52	1,374	29.11	0.77
1952	2,818	59.64	1.49	3,179	67.84	1.67	1,500	32.00	0.84
1953	3,058	63.10	1.58	3,446	71.65	1.76	1,637	34.06	0.90
1954	3,179	66.24	1.65	3,577	74.85	1.84	1,688	35.35	0.92
1955	3,343	69.35	1.73	3,752	78.17	1.92	1,756	36.61	0.96
1956	3,496	72.78	1.80	3,916	82.19	2.01	1,848	38.83	1.02
Iron and steel products:									
1946	1,731	36.87	0.82	1,940	37.89	0.84	1,133	22.11	0.53
1948	2,257	46.64	1.04	2,305	47.61	1.06	1,443	29.83	0.72
1949	2,401	48.05	1.10	2,445	48.94	1.12	1,597	31.96	0.77
1950	2,534	52.23	1.19	2,581	53.18	1.21	1,665	34.28	0.83
1951	2,833	58.66	1.39	2,886	59.95	1.40	1,885	39.16	0.98
1952	3,109	63.09	1.47	3,159	64.05	1.49	2,088	42.35	1.06
1953	3,267	65.02	1.54	3,322	66.10	1.57	2,222	44.20	1.12
1954	3,275	65.75	1.58	3,330	66.82	1.60	2,258	45.33	1.17
1955	3,501	70.63	1.66	3,558	71.76	1.68	2,359	47.59	1.19
1956	3,723	74.85	1.76	3,785	76.08	1.79	2,441	49.05	1.25
Transportation equipment:									
1946	1,897	39.85	0.94	1,921	40.45	0.95	1,187	24.99	0.62
1948	2,419	48.90	1.13	2,442	49.33	1.14	1,687	34.07	0.84
1949	2,465	50.54	1.18	2,494	51.08	1.19	1,706	34.93	0.88
1950	2,647	55.06	1.26	2,680	55.67	1.27	1,825	37.91	0.94
1951	2,867	58.18	1.38	2,895	58.66	1.39	2,096	42.45	1.10
1952	3,095	64.13	1.52	3,127	64.66	1.53	2,201	45.51	1.18
1953	3,406	65.45	1.57	3,438	66.11	1.58	2,444	47.00	1.23
1954	3,390	67.74	1.64	3,419	68.37	1.65	2,523	50.46	1.32
1955	3,488	67.82	1.67	3,523	68.45	1.69	2,537	49.28	1.28
1956	3,683	72.75	1.78	3,718	73.43	1.80	2,703	53.40	1.37

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-56 — Concluded

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Non-ferrous metal products:									
1946	1,713	35.51	0.81	1,833	37.78	0.85	1,014	20.90	0.51
1948	2,251	45.26	1.03	2,350	47.45	1.07	1,349	27.23	0.67
1949	2,419	48.26	1.09	2,521	50.26	1.13	1,437	28.63	0.69
1950	2,516	50.34	1.14	2,619	52.51	1.18	1,490	29.88	0.72
1951	2,866	57.56	1.38	2,979	59.68	1.42	1,618	32.40	0.81
1952	3,131	62.35	1.48	3,250	64.52	1.53	1,771	35.18	0.86
1953	3,277	64.43	1.55	3,399	66.59	1.60	1,852	36.30	0.91
1954	3,417	66.61	1.60	3,533	68.75	1.64	1,922	37.43	0.94
1955	3,557	70.02	1.67	3,678	72.41	1.72	1,986	39.13	0.96
1956	3,737	72.51	1.74	3,859	74.82	1.79	2,041	39.57	0.98
Electrical apparatus and supplies:									
1946	1,523	32.39	0.77	1,711	36.34	0.85	1,148	24.38	0.61
1948	2,125	44.06	1.05	2,319	48.01	1.13	1,614	33.42	0.85
1949	2,288	46.10	1.10	2,493	50.38	1.18	1,740	35.18	0.87
1950	2,414	49.90	1.18	2,649	55.03	1.27	1,788	37.14	0.92
1951	2,673	56.03	1.35	2,932	61.24	1.44	1,982	41.41	1.07
1952	2,929	59.28	1.41	3,181	64.59	1.51	2,201	44.67	1.11
1953	2,994	60.65	1.45	3,298	67.24	1.58	2,259	46.05	1.15
1954	3,150	60.62	1.48	3,450	66.81	1.61	2,415	46.75	1.18
1955	3,169	63.35	1.50	3,529	71.75	1.65	2,368	48.15	1.20
1956	3,406	67.73	1.62	3,786	75.52	1.77	2,503	49.89	1.27
Non-metallic mineral products:									
1946	1,547	32.78	0.71	1,614	34.11	0.73	1,039	21.97	0.52
1948	2,080	43.20	0.93	2,138	44.46	0.95	1,443	30.00	0.70
1949	2,193	45.22	0.98	2,252	46.45	1.00	1,540	31.10	0.74
1950	2,338	48.72	1.05	2,408	50.26	1.07	1,500	31.32	0.75
1951	2,616	54.77	1.22	2,699	56.31	1.24	1,646	34.33	0.85
1952	2,842	58.27	1.29	2,931	60.20	1.32	1,750	35.94	0.89
1953	2,990	60.28	1.36	3,084	62.26	1.39	1,884	38.03	0.93
1954	3,125	64.03	1.43	3,205	65.57	1.46	2,045	41.84	1.03
1955	3,198	66.44	1.48	3,271	68.06	1.50	2,113	43.97	1.09
1956	3,413	69.08	1.56	3,484	70.61	1.59	2,310	46.83	1.17
Products of petroleum and coal:									
1946	1,891	37.88	0.90	1,898	38.01	0.91	1,044	—	—
1948	2,435	50.14	1.19	2,445	50.18	1.19	1,345	—	—
1949	2,602	52.54	1.25	2,613	52.58	1.26	1,435	—	—
1950	2,776	56.00	1.36	2,787	56.09	1.36	1,532	—	—
1951	3,172	67.15	1.62	3,181	67.32	1.63	1,750	—	—
1952	3,595	72.33	1.74	3,607	72.50	1.75	1,984	—	—
1953	3,729	76.96	1.85	3,739	77.17	1.85	2,056	—	—
1954	3,811	78.58	1.89	3,821	78.78	1.89	2,102	—	—
1955	3,964	81.44	1.96	3,974	81.71	1.97	2,186	—	—
1956	4,280	83.83	2.07	4,292	84.21	2.07	2,365	—	—
Chemicals and allied products:									
1946	1,564	32.46	0.73	1,773	35.97	0.79	954	19.35	0.47
1948	2,029	41.05	0.93	2,227	45.03	1.00	1,223	24.72	0.61
1949	2,194	43.28	0.98	2,404	47.40	1.05	1,334	26.32	0.65
1950	2,325	46.52	1.07	2,541	50.54	1.15	1,410	28.07	0.70
1951	2,612	52.78	1.24	2,845	57.03	1.32	1,579	31.64	0.80
1952	2,827	56.56	1.34	3,073	61.20	1.43	1,718	34.21	0.86
1953	2,995	58.72	1.39	3,255	63.57	1.48	1,823	35.63	0.90
1954	3,090	60.44	1.46	3,345	65.46	1.56	1,920	37.56	0.96
1955	3,217	63.20	1.52	3,478	68.31	1.63	1,994	39.23	1.00
1956	3,383	67.08	1.62	3,650	72.19	1.72	2,110	41.70	1.06
Miscellaneous industries:									
1946	1,291	26.94	0.63	1,600	30.91	0.70	1,006	19.43	0.47
1948	1,652	33.84	0.80	1,920	39.33	0.90	1,244	25.49	0.63
1949	1,718	35.14	0.82	2,006	41.38	0.93	1,292	26.66	0.66
1950	1,803	38.01	0.89	2,106	44.48	1.00	1,365	28.83	0.71
1951	2,063	41.63	1.00	2,411	48.93	1.13	1,529	31.01	0.79
1952	2,186	44.05	1.04	2,574	52.98	1.20	1,555	32.00	0.80
1953	2,343	47.47	1.12	2,760	56.37	1.29	1,673	34.17	0.85
1954	2,455	48.74	1.16	2,894	57.31	1.33	1,742	34.64	0.86
1955	2,489	49.76	1.17	2,930	59.57	1.35	1,735	35.29	0.87
1956	2,648	52.06	1.22	3,118	62.73	1.43	1,852	37.26	0.92

Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees.— Annual earnings of male office employees in 1956 averaged \$4,918, weekly earnings \$99.05 and hourly earnings \$2.51. For female office employees annual earnings averaged \$2,449, weekly earnings \$49.31 and hourly earnings \$1.30. Average annual earnings of all office employees totalled \$4,222 in 1956, an increase of 86 p.c. since 1946. Weekly earnings at \$85.23 were 94 p.c. higher and hourly earnings

at \$2.19 were 105 p.c. higher. There were seven groups with average weekly salaries for male office employees of \$100.00 or more. Petroleum products with \$126.42 per week paid the highest salaries. Paper products with \$117.86 came second, followed by non-ferrous metal products with \$104.06, transportation equipment \$103.42, electrical apparatus and supplies \$102.73, chemicals and allied products \$101.85 and tobacco products \$101.57. The leather products group paid the

lowest salaries of \$81.65. In the case of female office employees there were seven groups with average salaries of \$50.00 or more. Female employees in the petroleum and coal group received the highest weekly salary of \$57.72, followed by tobacco and tobacco products with \$56.19, transportation equipment \$53.81, paper products \$53.03, chemicals and allied

products \$52.51, non-ferrous metal products \$50.89 and electrical apparatus and supplies \$50.74. In this case too, the leather products group had the lowest weekly salary of \$42.06.

The following table gives the weekly and hourly earnings of male and female office workers for each province and major industrial group for the year 1956.

Average Weekly and Hourly Earnings of Male and Female Administrative and Office Employees by Provinces and Industrial Groups, 1956

Province and Industrial Group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
dollars				
Province				
Newfoundland	87.32	2.14	42.00	1.04
Prince Edward Island	66.64	1.62	31.11	0.78
Nova Scotia	82.64	2.00	39.06	1.02
New Brunswick	82.30	1.98	40.63	1.06
Quebec	96.89	2.46	49.40	1.31
Ontario	102.19	2.61	50.18	1.33
Manitoba	84.24	2.11	41.95	1.10
Saskatchewan	79.64	1.97	45.07	1.14
Alberta	91.71	2.28	46.77	1.20
British Columbia	102.47	2.60	49.61	1.30
Canada	99.05	2.51	49.31	1.30
Industrial group				
Foods and beverages	87.51	2.17	47.08	1.23
Tobacco and tobacco products	101.57	2.68	56.19	1.49
Rubber products	92.31	2.36	46.94	1.23
Leather products	81.65	2.02	42.06	1.11
Textile products (except clothing)	92.79	2.34	44.89	1.19
Clothing, including knitting mills	87.29	2.16	45.38	1.19
Wood products	89.31	2.15	45.06	1.18
Paper products	117.86	3.13	53.03	1.44
Printing, publishing and allied industries	91.91	2.45	46.72	1.26
Iron and steel products	99.50	2.54	48.75	1.29
Transportation equipment	103.42	2.55	53.81	1.38
Non-ferrous metal products	104.06	2.69	50.89	1.36
Electrical apparatus and supplies	102.73	2.61	50.74	1.32
Non-metallic mineral products	97.73	2.47	49.22	1.32
Products of petroleum and coal	126.42	3.42	57.72	1.60
Chemicals and allied products	101.85	2.67	52.51	1.40
Miscellaneous industries	95.04	2.44	48.29	1.29

TABLE 38. Average Annual, Weekly and Hourly Earnings of Administrative and Office Workers Employed in the Manufacturing Industries, 1946 - 56¹

Year	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
1946	2,270	43.85	1.07	2,680	53.21	1.27	1,305	25.91	0.66
1947	2,484	49.78	1.23	2,933	60.21	1.46	1,396	28.68	0.74
1948	2,687	52.91	1.31	3,147	63.47	1.54	1,551	31.26	0.81
1949	2,836	54.85	1.37	3,317	65.37	1.60	1,655	32.62	0.85
1950	2,998	58.74	1.48	3,507	69.35	1.73	1,739	34.38	0.90
1951	3,296	65.98	1.67	3,852	77.55	1.94	1,907	38.42	1.01
1952	3,513	70.75	1.80	3,985	82.60	2.07	2,323	41.26	1.09
1953	3,707	73.87	1.89	4,327	86.43	2.19	2,159	43.13	1.14
1954	3,854	77.81	2.00	4,499	90.99	2.31	2,227	45.00	1.19
1955	3,990	80.57	2.06	4,636	93.50	2.36	2,332	47.02	1.24
1956	4,222	85.23	2.19	4,918	99.05	2.51	2,449	49.31	1.30

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1956 to the last week in October. Annual earnings are calculated. See text on page 76.

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-56

Year and province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
Newfoundland:									
1950	1,921	54.95	1.29	2,087	63.33	1.47	868	26.55	0.67
1951	2,383	62.04	1.44	2,604	70.71	1.63	1,135	30.80	0.73
1952	2,345	62.62	1.47	2,529	71.47	1.66	1,275	31.55	0.76
1953	2,403	68.54	1.64	2,620	78.07	1.86	1,554	34.44	0.84
1954	2,687	71.39	1.75	2,922	80.34	1.98	1,365	37.55	0.94
1955	2,793	73.59	1.78	3,028	81.87	1.97	1,475	39.85	0.98
1956	3,052	77.97	1.91	3,307	87.32	2.14	1,591	42.00	1.04
Prince Edward Island:									
1950	1,571	40.35	0.98	1,747	48.55	1.19	896	24.92	0.61
1951	1,715	46.90	1.08	1,918	55.98	1.28	917	26.75	0.65
1952	1,909	49.63	1.20	2,117	59.33	1.42	1,050	29.40	0.72
1953	2,009	53.69	1.33	2,260	64.81	1.58	1,087	31.15	0.79
1954	1,990	50.04	1.24	2,241	58.50	1.43	1,172	30.60	0.77
1955	2,115	55.82	1.36	2,358	65.59	1.59	1,221	33.96	0.84
1956	2,261	54.90	1.35	2,562	66.64	1.62	1,196	31.11	0.78
Nova Scotia:									
1946	1,788	39.89	0.93	2,020	46.36	1.06	1,026	23.54	0.58
1948	2,036	48.42	1.16	2,292	56.49	1.33	1,107	27.29	0.68
1949	2,179	50.47	1.25	2,455	59.45	1.45	1,169	28.29	0.71
1950	2,335	52.55	1.29	2,635	61.20	1.49	1,257	29.18	0.73
1951	2,500	58.43	1.40	2,821	67.82	1.60	1,329	31.95	0.80
1952	2,653	60.30	1.43	2,936	69.54	1.59	1,691	34.74	0.87
1953	2,775	62.82	1.55	3,122	72.01	1.76	1,539	35.48	0.91
1954	2,861	65.91	1.55	3,228	76.73	1.84	1,498	35.64	0.92
1955	2,993	68.43	1.62	3,372	76.48	1.82	1,669	37.88	0.99
1956	3,267	71.00	1.75	3,729	82.64	2.00	1,764	39.06	1.02
New Brunswick:									
1946	1,879	40.33	0.93	2,165	48.25	1.09	1,018	22.68	0.55
1948	2,204	46.70	1.09	2,516	55.94	1.28	1,208	26.86	0.67
1949	2,233	48.42	1.13	2,568	57.64	1.32	1,243	27.88	0.69
1950	2,404	51.60	1.23	2,774	61.40	1.43	1,298	28.71	0.73
1951	2,757	57.65	1.38	3,175	68.64	1.61	1,467	31.72	0.79
1952	2,910	61.83	1.49	3,258	71.50	1.69	1,867	35.44	0.90
1953	3,096	62.96	1.54	3,564	73.48	1.79	1,711	35.25	0.87
1954	3,117	66.18	1.60	3,593	77.96	1.91	1,680	35.98	0.93
1955	3,125	68.26	1.69	3,579	79.35	1.92	1,700	37.70	0.99
1956	3,351	70.98	1.74	3,820	82.30	1.98	1,887	40.63	1.06
Quebec:									
1946	2,298	44.57	1.07	2,667	53.30	1.25	1,334	26.63	0.67
1948	2,699	52.39	1.29	3,119	62.20	1.50	1,581	31.52	0.81
1949	2,812	54.66	1.35	3,256	64.41	1.57	1,670	33.05	0.85
1950	2,981	58.10	1.46	3,461	68.13	1.68	1,747	34.41	0.90
1951	3,241	64.67	1.63	3,769	75.77	1.88	1,858	37.32	0.98
1952	3,482	68.88	1.74	3,929	79.92	2.00	2,310	40.52	1.06
1953	3,670	72.23	1.84	4,260	84.12	2.12	2,143	42.33	1.12
1954	3,827	76.32	1.96	4,432	88.64	2.25	2,243	44.83	1.19
1955	3,959	79.25	2.02	4,578	91.26	2.30	2,344	46.74	1.23
1956	4,141	84.10	2.16	4,790	96.89	2.46	2,443	49.40	1.31
Ontario:									
1946	2,356	43.82	1.08	2,849	54.19	1.31	1,359	25.87	0.66
1948	2,816	53.63	1.35	3,373	65.20	1.61	1,626	31.40	0.82
1949	2,990	55.32	1.39	3,563	66.81	1.65	1,748	32.74	0.86
1950	3,150	59.81	1.52	3,749	71.40	1.79	1,830	34.84	0.91
1951	3,489	67.29	1.73	4,135	79.67	2.02	2,051	39.49	1.04
1952	3,691	72.73	1.87	4,236	85.77	2.17	2,461	42.24	1.12
1953	3,892	75.69	1.96	4,609	89.28	2.28	2,281	44.23	1.18
1954	4,030	79.67	2.05	4,774	93.91	2.40	2,334	45.88	1.22
1955	4,156	82.47	2.13	4,885	96.52	2.46	2,433	48.03	1.27
1956	4,413	87.14	2.25	5,200	102.19	2.61	2,553	50.18	1.33
Manitoba:									
1946	2,090	41.46	0.97	2,432	48.93	1.13	1,182	23.76	0.58
1948	2,563	49.68	1.19	2,981	58.98	1.39	1,404	28.21	0.70
1949	2,729	52.98	1.28	3,156	62.19	1.48	1,534	30.30	0.76
1950	2,818	54.21	1.33	3,239	62.42	1.51	1,662	32.01	0.80
1951	3,050	60.57	1.50	3,519	70.20	1.73	1,756	35.06	0.89
1952	3,219	64.14	1.61	3,638	73.66	1.82	2,114	37.27	0.97
1953	3,419	66.35	1.66	3,955	76.47	1.90	1,966	37.98	0.98
1954	3,525	68.30	1.74	4,083	79.10	1.99	2,050	39.67	1.04
1955	3,632	70.57	1.78	4,203	81.04	2.02	2,114	40.76	1.07
1956	3,797	73.17	1.86	4,398	84.24	2.11	2,190	41.95	1.10
Saskatchewan:									
1946	1,654	38.78	0.90	1,882	46.10	1.06	988	24.20	0.59
1948	1,937	44.90	1.07	2,216	54.52	1.29	1,148	28.25	0.69
1949	2,085	45.18	1.07	2,364	53.23	1.25	1,300	29.30	0.71
1950	2,317	49.76	1.18	2,640	58.13	1.37	1,468	32.34	0.78
1951	2,444	56.35	1.36	2,764	64.97	1.56	1,584	37.25	0.91
1952	2,605	58.08	1.40	2,871	67.22	1.60	1,883	38.11	0.95
1953	2,809	61.30	1.51	3,167	71.66	1.74	1,774	40.16	1.02
1954	2,925	63.96	1.58	3,305	74.68	1.84	1,844	41.65	1.04
1955	3,065	66.24	1.64	3,472	76.35	1.88	1,951	42.88	1.08
1956	3,353	69.51	1.73	3,817	79.64	1.97	2,160	45.07	1.14

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-56 - Concluded

Year and province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Alberta:									
1946	1,812	39.34	0.92	2,065	46.30	1.06	1,055	23.66	0.57
1948	2,122	48.20	1.13	2,382	55.81	1.29	1,239	29.04	0.71
1949	2,311	51.80	1.23	2,610	60.06	1.40	1,334	30.72	0.76
1950	2,454	55.05	1.33	2,777	62.62	1.50	1,441	32.47	0.82
1951	2,558	62.06	1.50	2,870	71.12	1.71	1,487	36.86	0.92
1952	2,888	67.20	1.66	3,183	76.73	1.88	1,919	40.55	1.03
1953	3,081	69.93	1.75	3,484	79.64	1.97	1,840	42.05	1.08
1954	3,240	74.38	1.85	3,685	85.34	2.11	1,857	43.04	1.10
1955	3,313	75.60	1.90	3,755	86.18	2.13	1,900	43.61	1.13
1956	3,672	80.71	2.02	4,161	91.71	2.28	2,122	46.77	1.20
British Columbia:									
1946	2,200	46.59	1.11	2,499	54.10	1.28	1,264	27.36	0.67
1948	2,522	56.38	1.39	2,835	65.16	1.59	1,451	33.40	0.85
1949	2,758	57.91	1.43	3,133	66.92	1.64	1,579	33.73	0.85
1950	2,871	60.83	1.53	3,242	69.77	1.74	1,637	35.23	0.90
1951	3,174	71.10	1.78	3,606	81.66	2.03	1,767	40.03	1.02
1952	3,414	74.54	1.88	3,785	84.76	2.12	2,131	42.00	1.10
1953	3,609	78.41	1.99	4,075	89.70	2.26	1,993	43.84	1.14
1954	3,796	81.81	2.08	4,305	93.83	2.36	2,075	45.22	1.18
1955	4,079	85.00	2.16	4,618	97.12	2.44	2,258	47.53	1.24
1956	4,265	89.54	2.28	4,900	102.47	2.60	2,372	49.61	1.30

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-56

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Foods and beverages:									
1946	1,990	41.33	0.98	2,314	49.90	1.16	1,141	24.62	0.61
1948	2,384	52.01	1.26	2,792	62.62	1.47	1,348	30.24	0.77
1949	2,518	52.31	1.27	2,930	62.27	1.48	1,490	31.64	0.80
1950	2,693	55.06	1.35	3,129	64.05	1.54	1,608	32.92	0.84
1951	2,941	61.78	1.53	3,406	71.15	1.73	1,785	37.29	0.95
1952	3,103	64.68	1.60	3,500	73.74	1.79	2,145	39.65	1.03
1953	3,325	68.37	1.71	3,856	79.32	1.93	2,044	41.55	1.08
1954	3,478	70.78	1.78	4,027	81.40	2.03	2,122	42.87	1.12
1955	3,566	73.42	1.84	4,119	83.50	2.06	2,204	44.67	1.17
1956	3,722	76.93	1.93	4,307	87.51	2.17	2,317	47.08	1.23
Tobacco and tobacco products:									
1946	2,371	39.94	0.97	2,913	51.45	1.22	1,424	25.17	0.62
1948	2,863	52.47	1.31	3,412	64.94	1.59	1,836	34.92	0.89
1949	3,109	54.17	1.35	3,667	65.26	1.61	2,057	36.63	0.93
1950	3,256	57.86	1.51	3,821	67.18	1.74	2,247	39.48	1.04
1951	3,665	66.73	1.79	4,390	78.21	2.09	2,379	42.41	1.15
1952	3,922	68.33	1.82	4,408	78.96	2.09	3,055	47.34	1.27
1953	4,351	73.72	1.98	5,149	86.27	2.31	2,930	49.05	1.32
1954	4,565	79.50	2.11	5,410	93.84	2.48	3,078	53.44	1.44
1955	4,732	84.12	2.23	5,556	95.20	2.58	3,211	56.74	1.52
1956	4,954	85.50	2.26	5,840	101.57	2.68	3,230	56.19	1.49
Rubber products:									
1946	2,289	44.97	1.11	2,776	54.64	1.34	1,280	25.17	0.64
1948	2,800	51.84	1.32	3,333	61.95	1.56	1,606	29.88	0.78
1949	2,974	53.70	1.37	3,491	63.53	1.60	1,697	30.90	0.81
1950	3,070	58.09	1.47	3,597	67.97	1.70	1,759	33.26	0.86
1951	3,361	63.90	1.67	3,926	74.59	1.94	1,967	37.40	0.98
1952	3,572	67.63	1.75	3,999	78.53	2.01	2,415	40.87	1.08
1953	3,632	71.04	1.83	4,210	82.25	2.10	2,143	41.84	1.10
1954	3,977	74.07	1.89	4,630	85.57	2.17	2,371	43.80	1.15
1955	4,056	75.13	1.93	4,732	86.67	2.21	2,399	43.95	1.15
1956	4,231	79.77	2.06	4,946	92.31	2.36	2,518	46.94	1.23
Leather products:									
1946	2,398	37.93	0.88	2,795	45.12	1.01	1,465	23.66	0.59
1948	2,898	47.20	1.14	3,409	56.83	1.34	1,684	28.08	0.72
1949	3,033	48.95	1.18	3,533	57.94	1.36	1,819	29.86	0.76
1950	3,103	51.36	1.25	3,640	61.26	1.45	1,838	30.92	0.79
1951	3,264	56.30	1.40	3,795	66.47	1.61	1,958	34.33	0.90
1952	3,396	58.74	1.45	3,864	69.22	1.68	2,326	35.35	0.92
1953	3,623	61.71	1.55	4,256	73.25	1.80	2,162	37.24	0.98
1954	3,674	64.44	1.63	4,339	77.23	1.91	2,187	38.96	1.03
1955	3,782	66.17	1.66	4,473	78.49	1.92	2,268	39.81	1.05
1956	3,943	68.91	1.74	4,662	81.65	2.02	2,401	42.06	1.11

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-1956 - Continued

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Textile products (except clothing):									
1946	2,675	48.08	1.16	3,338	59.30	1.39	1,522	27.07	0.69
1948	3,111	53.32	1.30	3,856	66.48	1.58	1,742	30.02	0.77
1949	3,199	53.69	1.31	3,884	65.47	1.56	1,864	31.46	0.80
1950	3,369	58.61	1.46	4,134	71.48	1.75	1,914	33.08	0.86
1951	3,655	65.41	1.64	4,465	79.67	1.97	2,063	36.78	0.96
1952	3,700	68.65	1.74	4,313	82.79	2.07	2,480	39.50	1.03
1953	3,827	70.73	1.78	4,635	84.77	2.09	2,234	40.87	1.07
1954	3,951	72.94	1.86	4,796	88.28	2.21	2,269	41.80	1.10
1955	4,027	75.10	1.87	4,874	88.74	2.17	2,354	42.83	1.12
1956	4,209	78.29	2.00	5,070	92.79	2.34	2,454	44.89	1.19
Clothing including knitting mills:									
1946	2,580	38.00	0.92	3,124	47.65	1.12	1,646	25.13	0.63
1948	3,004	45.97	1.12	3,691	58.76	1.39	1,897	30.22	0.77
1949	3,132	48.04	1.18	3,817	60.25	1.45	2,031	32.08	0.82
1950	3,233	51.12	1.28	3,964	64.27	1.57	2,057	33.33	0.86
1951	3,375	57.54	1.46	4,157	72.45	1.79	2,116	36.85	0.96
1952	3,561	60.73	1.54	4,136	76.11	1.89	2,639	38.74	1.01
1953	3,674	62.41	1.58	4,541	78.81	1.94	2,316	40.18	1.05
1954	3,763	66.24	1.68	4,662	84.43	2.09	2,308	41.82	1.10
1955	3,859	66.94	1.68	4,742	83.18	2.04	2,471	43.34	1.12
1956	4,103	69.75	1.77	5,066	87.29	2.16	2,634	45.38	1.19
Wood products:									
1946	1,419	42.65	0.98	1,527	50.08	1.11	760	24.92	0.62
1948	1,727	51.99	1.23	1,853	60.46	1.39	917	29.93	0.76
1949	1,905	54.15	1.28	2,038	62.56	1.44	1,015	31.14	0.79
1950	2,079	56.92	1.37	2,227	65.90	1.55	1,109	32.85	0.84
1951	2,250	64.48	1.55	2,407	74.34	1.75	1,204	37.16	0.96
1952	2,366	67.77	1.63	2,505	77.06	1.81	1,435	38.83	1.01
1953	2,534	71.35	1.73	2,717	81.52	1.94	1,342	40.28	1.05
1954	2,597	74.01	1.81	2,788	84.81	2.03	1,374	41.79	1.09
1955	2,879	76.34	1.87	3,094	86.58	2.07	1,572	44.02	1.15
1956	3,140	78.87	1.93	3,396	89.31	2.15	1,715	45.06	1.18
Paper products:									
1946	2,831	52.29	1.28	3,374	62.49	1.50	1,481	27.45	0.70
1948	3,475	62.64	1.56	4,069	73.69	1.81	1,921	34.82	0.90
1949	3,679	65.57	1.64	4,354	77.41	1.92	1,964	34.88	0.91
1950	3,866	68.96	1.76	4,576	81.14	2.05	2,009	35.64	0.94
1951	4,338	79.57	2.05	5,147	93.92	2.39	2,224	40.60	1.07
1952	4,618	83.19	2.17	5,318	97.11	2.51	2,803	43.80	1.17
1953	4,808	87.68	2.31	5,693	102.39	2.67	2,550	45.92	1.24
1954	4,950	93.19	2.47	5,863	109.16	2.88	2,603	48.45	1.31
1955	5,046	95.20	2.53	5,985	111.47	2.93	2,683	49.55	1.34
1956	5,276	101.05	2.69	6,243	117.86	3.13	2,809	53.03	1.44
Printing, publishing and allied industries:									
1946	2,084	37.07	0.93	2,479	45.76	1.13	1,316	24.30	0.62
1948	2,400	43.75	1.12	2,860	53.76	1.36	1,533	28.82	0.75
1949	2,368	46.55	1.20	2,879	57.12	1.46	1,526	30.30	0.80
1950	2,500	50.71	1.33	3,040	61.75	1.61	1,602	32.56	0.86
1951	2,749	57.20	1.50	3,352	69.61	1.81	1,773	36.33	0.97
1952	3,003	61.13	1.61	3,498	74.67	1.97	2,200	38.43	1.02
1953	3,142	63.88	1.71	3,840	78.01	2.09	2,016	40.95	1.11
1954	3,258	67.30	1.79	4,029	83.19	2.20	2,043	42.14	1.13
1955	3,412	68.54	1.82	4,179	84.02	2.22	2,181	43.94	1.18
1956	3,544	74.50	2.00	4,359	91.91	2.45	2,214	46.72	1.26
Iron and steel products:									
1946	2,429	50.14	1.23	2,891	52.88	1.27	1,391	25.43	0.65
1948	2,865	53.41	1.33	3,358	63.09	1.55	1,617	30.35	0.79
1949	3,095	55.77	1.40	3,574	65.17	1.62	1,762	32.13	0.84
1950	3,215	59.71	1.51	3,715	69.29	1.74	1,817	33.91	0.89
1951	3,635	67.65	1.73	4,195	78.15	1.97	2,056	38.30	1.01
1952	3,879	71.71	1.83	4,369	82.53	2.09	2,473	40.52	1.07
1953	3,993	74.88	1.93	4,598	86.02	2.19	2,285	42.71	1.14
1954	4,212	78.30	2.01	4,815	89.57	2.29	2,412	44.88	1.19
1955	4,274	81.53	2.10	4,891	93.13	2.38	2,455	46.77	1.24
1956	4,497	86.51	2.23	5,172	99.50	2.54	2,534	48.75	1.29
Transportation equipment:									
1946	2,574	50.14	1.19	2,981	57.95	1.35	1,446	28.08	0.69
1948	3,087	59.72	1.44	3,494	68.03	1.62	1,768	34.44	0.86
1949	3,277	62.04	1.50	3,713	71.01	1.70	1,827	34.95	0.87
1950	3,521	66.98	1.62	3,980	76.07	1.82	1,998	38.21	0.96
1951	3,733	71.39	1.74	4,214	80.85	1.96	2,162	41.51	1.04
1952	3,909	77.61	1.86	4,346	87.79	2.07	2,516	44.92	1.15
1953	4,301	79.43	1.99	4,876	90.20	2.24	2,482	45.93	1.18
1954	4,391	84.40	2.09	4,954	95.28	2.34	2,507	48.22	1.24
1955	4,553	87.76	2.18	5,074	98.30	2.43	2,633	50.98	1.30
1956	4,744	92.25	2.30	5,292	103.42	2.55	2,752	53.81	1.38

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-56 - Concluded

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
Non-ferrous metal products:									
1946	2,590	47.22	1.14	3,061	57.07	1.35	1,488	27.71	0.69
1948	2,921	57.70	1.41	3,426	68.57	1.64	1,644	32.91	0.84
1949	3,189	60.25	1.47	3,776	71.43	1.71	1,794	33.95	0.88
1950	3,349	63.55	1.59	3,938	74.95	1.85	1,855	35.27	0.92
1951	3,585	73.63	1.86	4,188	85.63	2.13	1,968	40.21	1.06
1952	3,870	78.70	2.02	4,402	90.39	2.29	2,373	42.39	1.12
1953	4,057	80.30	2.04	4,693	93.16	2.34	2,239	44.44	1.18
1954	4,336	85.75	2.21	4,994	97.90	2.50	2,372	46.53	1.24
1955	4,591	86.55	2.24	5,272	99.21	2.54	2,589	48.75	1.31
1956	4,637	91.28	2.38	5,366	104.06	2.69	2,624	50.89	1.36
Electrical apparatus and supplies:									
1946	2,267	45.46	1.15	2,732	54.74	1.37	1,382	27.68	0.72
1948	2,767	52.96	1.36	3,267	62.39	1.59	1,735	33.14	0.87
1949	2,990	55.15	1.41	3,489	64.32	1.64	1,877	34.58	0.90
1950	3,083	58.61	1.52	3,608	68.11	1.76	1,905	35.99	0.95
1951	3,468	64.82	1.67	4,055	75.51	1.92	2,060	38.37	1.02
1952	3,691	70.83	1.84	4,170	81.92	2.11	2,527	42.95	1.14
1953	3,925	75.07	1.95	4,565	87.17	2.25	2,360	45.04	1.19
1954	4,052	78.36	2.02	4,736	90.46	2.31	2,449	46.73	1.23
1955	4,067	83.39	2.15	4,691	95.57	2.44	2,472	50.38	1.32
1956	4,416	88.71	2.27	5,127	102.73	2.61	2,533	50.74	1.32
Non-metallic mineral products:									
1946	2,134	43.29	1.05	2,444	50.47	1.19	1,256	25.96	0.66
1948	2,642	53.45	1.32	3,005	62.03	1.50	1,512	31.22	0.82
1949	2,837	53.94	1.35	3,218	62.87	1.54	1,635	31.96	0.85
1950	2,970	58.29	1.47	3,388	67.41	1.67	1,701	33.85	0.89
1951	3,297	66.34	1.69	3,793	76.94	1.93	1,904	38.61	1.03
1952	3,511	71.45	1.86	3,951	82.48	2.12	2,276	41.15	1.12
1953	3,736	74.31	1.90	4,304	85.84	2.15	2,174	43.36	1.17
1954	3,852	77.54	1.99	4,392	89.31	2.26	2,214	45.01	1.21
1955	4,095	81.04	2.05	4,644	92.20	2.30	2,364	46.97	1.25
1956	4,242	85.90	2.20	4,786	97.73	2.47	2,412	49.22	1.32
Products of petroleum and coal:									
1946	2,412	47.66	1.21	2,747	54.05	1.35	1,338	26.33	0.69
1948	2,925	59.97	1.57	3,258	66.31	1.72	1,753	35.68	0.96
1949	3,100	61.40	1.62	3,490	68.49	1.77	1,769	34.70	0.96
1950	3,260	65.59	1.79	3,662	72.64	1.94	1,941	38.52	1.13
1951	3,662	74.52	1.94	4,147	81.92	2.12	2,161	42.72	1.15
1952	4,092	95.23	2.60	4,620	108.63	2.94	2,504	51.57	1.44
1953	4,217	98.27	2.64	4,881	111.87	2.98	2,309	52.95	1.46
1954	4,265	101.28	2.75	4,944	116.07	3.14	2,309	54.20	1.50
1955	4,458	105.76	2.87	5,148	121.46	3.27	2,322	54.77	1.50
1956	5,217	110.54	3.00	5,975	126.42	3.42	2,731	57.72	1.60
Chemicals and allied products:									
1946	2,386	43.88	1.11	2,946	55.92	1.40	1,426	27.08	0.70
1948	2,801	51.60	1.33	3,394	63.56	1.62	1,731	32.41	0.85
1949	2,883	54.89	1.42	3,481	67.30	1.72	1,782	34.46	0.91
1950	3,035	59.87	1.56	3,671	71.22	1.84	1,858	36.05	0.96
1951	3,379	66.37	1.72	4,061	78.79	2.03	2,079	40.31	1.06
1952	3,626	71.48	1.86	4,205	84.46	2.18	2,527	42.95	1.13
1953	3,808	74.59	1.95	4,581	88.12	2.29	2,336	44.90	1.19
1954	4,083	79.70	2.10	4,929	94.51	2.47	2,460	47.16	1.25
1955	4,206	82.41	2.15	5,034	96.63	2.50	2,582	49.53	1.31
1956	4,509	87.38	2.30	5,405	101.85	2.67	2,789	52.51	1.40
Miscellaneous industries:									
1946	2,298	39.89	0.93	2,797	51.41	1.23	1,393	25.62	0.66
1948	2,580	48.42	1.16	3,148	61.75	1.50	1,587	31.15	0.82
1949	2,816	50.47	1.25	3,435	63.44	1.54	1,700	31.43	0.84
1950	3,059	54.51	1.36	3,685	66.78	1.74	1,865	33.78	0.88
1951	3,246	60.89	1.57	3,960	75.50	1.88	1,925	36.73	0.99
1952	3,436	66.57	1.74	3,962	80.66	2.04	2,413	40.57	1.13
1953	3,733	69.21	1.78	4,053	84.11	2.14	2,027	42.08	1.11
1954	3,681	73.34	1.89	4,464	89.72	2.27	2,210	44.42	1.19
1955	3,900	75.26	1.93	4,713	91.55	2.29	2,338	45.45	1.21
1956	4,076	78.66	2.05	4,889	95.04	2.44	2,484	48.29	1.29

Office Workers and Other Salaries Employees.—A survey of weekly earnings of administrative and office employees, classified into (a) managerial and professional employees and (b) office workers, was undertaken for the first time in 1951 and repeated again in 1954. It is the intention to repeat this survey every third year in the future. According to Table 41 below average weekly salaries of all office and supervisory employees in 1954 averaged \$77.81. Male employees received \$90.99 and female employees \$45.00. The increase per week since 1951 for all employees totalled \$11.83, for males \$13.44 and for females \$6.58.

The average weekly salaries of office workers rose in the three years from \$51.14 to \$59.29, an advance of 15.9 p.c. as compared with 17.9 p.c. for all salaried employees. The average for men classed in the office group increased by \$10.26 to \$70.94, and for women by \$6.39 to \$44.16, representing an advance of 16.9 p.c. in each case. The upward movement was more pronounced in the durable goods division than in non-durables. Higher earnings for office workers were reported in 1954 in all provinces and industry groups, except tobacco and tobacco products, where the men's average salary, at \$68.31 was \$1.87 below the 1951 figure. The drop was caused mainly

by the transfer of a group of employees to a separately organized sales office since 1951 when they were paid well above the general level.

The residual group of salaried employees, composed mainly of managerial, professional and related staffs and professional salesmen, comprises a varied group, the composition of which may differ from firm to firm. Its components are affected not only by varying requirements for administrative and professional personnel but also by the extent to which proprietors

and firm members (excluded from the survey) undertake such duties, and by the organization of separate sales offices. The managerial and professional employees reported in 1951 averaged \$98.38 for the week; the men earned \$99.73 and the women \$57.04. Three years later, the averages were \$109.67 for both sexes, \$111.14 for men and \$64.89 for women. All industry groups and provinces reported higher earnings in 1954, raising the average salaries of the men to more than \$100 a week in most of the major industries in Canada.

TABLE 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, Classified on the basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951 and 1954¹

Province and group	All salaried employees			Managerial and professional employees			Office workers		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
dollars									
Province, 1951									
Newfoundland	62.04	70.71	30.80	116.20	121.37	--	47.02	52.93	30.19
Prince Edward Island	46.90	55.98	26.75	--	--	--	--	--	--
Nova Scotia	58.43	67.83	31.95	88.62	89.34	--	49.00	57.87	31.66
New Brunswick	57.65	68.64	31.72	93.40	93.54	--	44.96	53.97	31.51
Quebec	64.67	75.77	37.32	99.57	101.30	56.35	50.04	58.82	36.54
Ontario	67.29	79.67	39.49	98.81	100.13	57.80	52.02	62.44	38.86
Manitoba	60.57	70.20	35.06	87.91	88.56	--	47.28	55.69	34.53
Saskatchewan	56.35	64.97	37.25	79.53	79.98	--	44.73	51.31	36.97
Alberta	62.06	71.12	36.86	89.23	89.66	--	49.32	57.25	36.48
British Columbia	71.10	81.66	40.03	100.95	101.78	59.14	55.75	65.46	39.52
Canada	65.98	77.55	38.42	98.38	99.73	57.04	51.14	60.68	37.77
Industrial group, 1951									
Foods and beverages	61.78	71.15	37.29	86.89	87.54	57.65	48.31	56.49	36.72
Tobacco and tobacco products	66.73	78.21	42.41	87.06	86.56	--	56.47	70.18	41.53
Rubber products	63.90	74.59	37.40	97.48	98.26	--	48.40	56.32	37.09
Leather products	56.30	66.47	34.33	90.22	91.58	--	45.78	53.97	33.56
Textile products (except clothing)	65.41	79.67	36.78	103.41	105.45	54.65	48.21	58.75	36.08
Clothing, including knitting mills	57.54	72.45	36.85	95.67	99.62	58.38	44.92	55.32	35.55
Wood products	64.48	74.34	37.16	96.70	97.48	59.47	52.56	61.33	36.69
Paper products	79.57	93.92	40.60	125.26	126.91	58.22	56.87	67.67	40.06
Printing, publishing and allied industries	57.20	69.61	36.83	90.05	93.55	54.20	45.02	53.89	35.65
Iron and steel products	67.65	78.15	38.30	101.60	102.32	58.37	53.99	63.14	37.94
Transportation equipment	71.39	80.85	41.51	104.15	104.51	60.71	57.79	66.15	41.32
Non-ferrous metal products	73.63	85.63	40.21	100.99	101.79	57.75	52.87	63.70	39.67
Electrical apparatus and supplies	64.82	75.51	38.37	96.41	97.51	57.99	52.67	62.06	37.83
Non-metallic mineral products	66.34	76.94	38.61	87.87	90.31	--	50.64	59.17	38.24
Products of petroleum and coal	74.52	81.92	42.72	99.87	101.13	--	56.48	63.15	40.72
Chemicals and allied products	66.37	78.79	40.31	93.97	95.77	55.44	47.81	56.55	39.41
Miscellaneous industries	60.89	75.50	36.73	95.30	97.11	52.44	45.96	56.66	36.20
Province, 1954									
Newfoundland	71.39	80.34	37.55	112.28	112.78	--	53.32	60.20	37.01
Prince Edward Island	50.04	58.50	30.60	--	--	--	--	--	--
Nova Scotia	65.91	76.73	35.64	91.04	91.72	--	50.52	61.35	35.17
New Brunswick	66.18	77.96	35.98	96.48	97.32	--	51.71	62.69	35.61
Quebec	76.32	88.64	44.83	107.42	109.13	64.70	58.24	68.80	43.77
Ontario	79.67	93.91	45.88	112.90	114.38	66.15	60.58	73.22	45.09
Manitoba	68.30	79.10	39.67	96.31	97.38	58.43	53.52	63.35	39.00
Saskatchewan	63.96	74.68	41.65	85.69	86.34	--	50.57	60.27	41.30
Alberta	74.38	85.34	43.04	103.37	103.80	--	57.01	66.81	42.82
British Columbia	81.81	93.83	45.22	109.02	110.32	60.56	62.40	74.58	44.51
Canada	77.81	90.99	45.00	109.67	111.14	64.89	59.29	70.94	44.16
Industrial group, 1954									
Foods and beverages	70.78	81.40	42.87	93.93	94.68	59.38	54.81	65.06	42.33
Tobacco and tobacco products	79.50	93.84	53.44	105.52	106.59	--	57.85	68.31	51.06
Rubber products	74.07	85.57	43.80	107.27	107.27	--	55.75	64.87	43.24
Leather products	64.44	77.23	38.96	92.00	95.04	51.60	49.26	59.70	37.94
Textile products (except clothing)	72.94	88.28	41.80	107.28	108.98	60.52	51.19	62.10	40.99
Clothing including knitting mills	66.24	84.43	41.82	96.56	102.45	55.94	48.30	60.88	40.07
Wood products	74.01	84.81	41.79	101.31	101.97	59.23	56.42	66.58	41.36
Paper products	93.19	109.16	48.45	135.11	136.86	67.43	65.42	78.28	47.70
Printing, publishing and allied industries	67.30	83.19	42.14	105.92	108.44	67.64	51.68	63.28	40.92
Iron and steel products	78.30	89.57	44.88	111.19	111.81	67.79	60.52	70.42	44.43
Transportation equipment	84.40	95.28	48.22	119.86	120.40	71.21	69.64	80.01	47.90
Non-ferrous metal products	85.75	97.90	46.53	113.05	114.06	61.79	64.44	77.08	45.96
Electrical apparatus and supplies	78.36	90.46	46.73	111.58	112.43	71.90	63.44	74.58	46.13
Non-metallic mineral products	77.54	89.31	45.01	109.49	110.18	--	58.33	68.21	44.44
Products of petroleum and coal	101.28	116.07	54.20	138.05	142.07	74.81	61.61	69.59	51.13
Chemicals and allied products	79.70	94.51	47.16	107.44	108.94	71.72	56.30	68.97	45.62
Miscellaneous industries	73.34	89.72	44.42	105.69	107.61	62.80	54.06	66.95	43.57

¹ Taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division. The term "Administrative and Office Employees" as used by the annual survey of manufactures corresponds to the term "Salaried Employees" used by the Employment Section of the Labour Division.

-- Number too small to be significant.

-- Nil.

Distribution of Employees on the Basis of Weekly Earnings.— Prior to 1950 statistics on the distribution of employees on the basis of weekly earnings were compiled by the Industry and Merchandising Division in the annual census of manufactures. At first only wage-earners were covered and in 1944 salaried employees were also included. In 1946 this phase of manufacturing statistics was transferred to the Employment Section of the Labour Division. The 1950 survey which covered the last pay period in October made available data on the distribution of employees by earnings groups for the first time since the Census of Manufactures survey in January 1944. The data in the two surveys are not strictly comparable, largely because the earlier surveys included establishments employing less than 15 persons and were conducted for a different period of the year. Also the 1944 survey reflected wartime conditions.

Variation in the provincial distribution of employees by amounts earned are obviously related to pay levels, occupational and sex differences, number of casual and part-time workers, and length of the working week in the more important industries in each area. Most of the employees in the low-earnings ranges are casually-employed workers, or those who do not work full time in the week. Part-time work is particularly common among women; the 1952 survey showed that 11.9 p.c. of the female production workers reported in manufacturing worked 30 hours or less, as compared with 4.6 p.c. for men.

Short-time or casual work is characteristic of such industries as fish processing and fruit and vegetable canning, the duration of employment depending on the immediate availability of materials.

The tremendous change in the level of incomes of factory workers since the war is strikingly illustrated in Table 42. Whereas in 1940 only 3 p.c. of male and none of the female production workers received \$50 or more per week, in 1956 these percentages jumped to 85 and 24 respectively. The percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male production workers received less than \$30 per week, in 1956 the percentage declined to 3. For female production workers the percentage in these groups declined from 99 to 28.

For office workers information on the distribution by income groups is only available for 1944, 1950, 1953 and 1956. Earnings by office workers, too, advanced to unprecedented heights. The percentage of male office workers receiving \$50 or more per week rose to 92 in 1956 from 39 in 1944, while for females the percentage in 1956 was 46 as compared with none in 1944. Tables 43 and 44 give the distribution by income groups of male and female production workers as well as office workers by provinces and major industrial groups for 1956.

TABLE 42. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-56

Year	Class range											Average weekly earnings
	Under \$10.00	\$10.00 to \$19.99	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
	per cent											\$
Male wage-earners:												
1934	12	43	32	10	2	1*						20.31
1936	10	40	35	11	3	1*						20.92
1940	6	29	37	19	6	3*						24.82
1944	3	9	25	31	20	9	2	1*				34.95
1950 ¹	1	2	5	14	26	28	14	6	2	1	1	50.93
1953 ¹	1	2	2	5	12	21	27	16	7	3	4	62.71
1956 ¹	--	1	2	4	8	14	22	20	13	7	9	70.67
Female wage-earners:												
1934	34	61	4	1	--	--	--	--	--	--	--	11.80
1936	30	65	4	1*								12.20
1940	23	68	8	1*								13.52
1944	10	45	33	10	2							20.89
1950 ¹	3	16	35	30	12	2	1	--	1	--	--	29.00
1953 ¹	3	9	26	28	20	10	3	1	--	--	--	35.07
1956 ¹	2	7	19	26	22	14	7	2	1	--	--	39.29
Male salaried employees:												
1944	1	6	13	21	20	15	9	15*				46.24
1950 ¹	--	1	5	8	13	19	17	12	8	5	12	69.35
1953 ¹	--	--	2	3	7	11	15	14	13	10	25	86.43
1956 ¹	--	--	1	2	5	7	10	12	13	12	38	99.05
Female salaried employees:												
1944	2	31	52	13	2	--	--	--	--	--	--	23.79
1950 ¹	--	4	27	43	19	5	1	1	--	--	--	34.38
1953 ¹	--	2	9	30	34	17	5	2	1	--	--	43.13
1956 ¹	--	1	4	18	31	25	12	5	2	1	1	49.31

¹ Statistics for 1950, 1953 and 1956 are taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division. The terms "wage-earners" and "salaried employees" in the above table correspond to the terms "production and related workers" and "administrative and office" employees in the annual survey of manufactures.

* And over

-- Number too small to be significant.

— Nil

TABLE 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1956

Province	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male wage-earners:												
Newfoundland	9	7	9	10	12	12	13	9	5	7	7	65.52
Prince Edward Island ¹												47.92
Nova Scotia	3	6	9	17	20	19	13	7	4	2	--	58.19
New Brunswick	2	3	10	18	15	19	14	7	5	5	2	62.65
Quebec	1	3	5	11	17	22	18	10	5	5	3	67.56
Ontario	1	2	2	6	12	21	23	14	8	7	4	73.39
Manitoba	2	1	4	9	18	28	23	8	4	3	--	65.65
Saskatchewan	2	2	3	6	26	22	19	12	5	3	--	65.62
Alberta	1	1	2	7	18	28	22	11	6	3	1	67.96
British Columbia	1	1	2	3	7	26	23	19	9	6	3	75.53
Canada	1	2	4	8	14	22	20	13	7	6	3	70.67
Female wage-earners:												
Newfoundland	51	38	8	2	1	--	--	--	--	--	--	19.12
Prince Edward Island ¹												25.69
Nova Scotia	26	42	23	8	1	--	--	--	--	--	--	25.88
New Brunswick	20	35	26	14	4	1	--	--	--	--	--	29.36
Quebec	10	24	25	21	12	6	1	1	--	--	--	37.46
Ontario	6	14	27	24	17	8	3	1	--	--	--	41.69
Manitoba	9	26	31	18	11	4	1	--	--	--	--	35.76
Saskatchewan	10	18	25	22	16	8	--	1	--	--	--	38.23
Alberta	7	16	20	21	21	11	3	1	--	--	--	42.72
British Columbia	8	12	19	21	20	16	3	1	--	--	--	43.67
Canada	9	19	26	22	14	7	2	1	--	--	--	39.29
Male salaried employees:												
Newfoundland	1	5	7	12	12	7	8	8	9	11	20	87.32
Prince Edward Island ¹												66.64
Nova Scotia	--	1	4	9	13	13	11	13	11	13	12	82.64
New Brunswick	1	2	4	11	14	15	12	10	7	10	14	82.30
Quebec	1	1	3	6	8	11	12	12	10	15	21	96.89
Ontario	--	--	2	4	6	10	12	13	12	18	23	102.19
Manitoba	--	1	4	8	12	16	14	12	10	12	11	84.24
Saskatchewan	--	1	4	10	12	15	14	14	9	11	10	79.64
Alberta	1	1	2	4	9	12	15	14	11	15	16	91.71
British Columbia	--	--	2	3	5	8	11	14	15	20	22	102.47
Canada	--	1	2	5	7	10	12	13	12	17	21	99.05
Female salaried employees:												
Newfoundland	8	17	22	18	17	11	5	2	--	--	--	42.00
Prince Edward Island ¹												31.11
Nova Scotia	2	15	44	23	12	3	1	--	--	--	--	39.06
New Brunswick	2	16	34	27	13	4	3	--	1	--	--	40.63
Quebec	1	7	18	28	24	13	5	2	1	1	--	49.40
Ontario	1	3	16	32	27	13	5	2	1	--	--	50.18
Manitoba	1	8	33	35	15	6	2	--	--	--	--	41.95
Saskatchewan	1	2	25	40	23	6	2	1	--	--	--	45.07
Alberta	1	4	19	39	25	8	3	1	--	--	--	46.77
British Columbia	1	3	16	36	25	11	5	2	1	--	--	49.61
Canada	1	4	18	31	25	12	5	2	1	1	--	49.31

¹ Break down by class range not available.

-- Number too small to be significant.

- Nil.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1936

Group	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male wage-earners:												
Foods and beverages	3	3	6	11	19	23	20	8	4	3	--	62.3
Tobacco and tobacco products	2	1	2	4	10	38	23	10	6	4	--	70.1
Rubber products	2	1	2	6	14	19	19	17	10	9	1	74.7
Leather products	4	9	12	19	22	18	10	4	1	1	--	51.9
Textile products (except clothing)	2	3	8	22	27	18	12	5	2	1	--	56.8
Clothing, including knitting mills	3	7	10	15	17	17	12	8	5	5	1	59.7
Wood products	3	3	8	16	20	25	14	6	3	2	--	59.1
Paper products	1	1	2	4	8	20	21	15	11	11	6	80.4
Printing, publishing and allied industries	2	3	6	7	8	9	12	14	11	18	10	82.1
Iron and steel products	--	1	2	4	12	21	22	15	10	8	5	76.0
Transportation equipment	2	3	1	4	11	23	28	12	7	5	4	73.4
Non-ferrous metal products	1	1	2	4	9	19	28	24	8	3	1	74.8
Electrical apparatus and supplies	--	1	2	5	12	23	21	15	9	8	4	75.5
Non-metallic mineral products	1	1	2	6	16	28	21	13	6	5	1	70.6
Products of petroleum and coal	--	--	--	1	3	13	24	24	20	11	4	84.2
Chemicals and allied products	--	1	2	5	14	26	23	16	7	5	1	72.1
Miscellaneous industries	2	3	8	14	20	19	16	10	4	3	1	62.7
All groups	1	2	4	8	14	22	20	13	7	6	3	70.6
Female wage-earners:												
Foods and beverages	15	21	24	19	14	6	1	--	--	--	--	36.1
Tobacco and tobacco products	3	4	6	24	37	21	4	1	--	--	--	52.4
Rubber products	4	8	17	34	25	9	2	1	--	--	--	45.4
Leather products	10	30	33	17	7	2	1	--	--	--	--	33.0
Textile products (except clothing)	5	15	28	33	14	4	1	--	--	--	--	39.5
Clothing, including knitting mills	11	27	29	18	9	4	1	1	--	--	--	35.0
Wood products	7	14	25	21	12	17	3	1	--	--	--	43.3
Paper products	5	14	28	28	16	6	2	1	--	--	--	41.0
Printing, publishing and allied industries	8	18	29	26	11	5	2	1	--	--	--	38.8
Iron and steel products	3	8	17	22	24	18	6	2	--	--	--	49.0
Transportation equipment	4	4	11	20	21	28	8	3	1	--	--	53.4
Non-ferrous metal products	5	19	31	23	14	5	2	1	--	--	--	39.5
Electrical apparatus and supplies	2	6	18	24	28	14	5	2	1	--	--	49.8
Non-metallic mineral products	3	12	14	27	31	11	2	--	--	--	--	46.8
Products of petroleum and coal ¹												
Chemicals and allied products	4	12	25	35	17	5	1	1	--	--	--	41.0
Miscellaneous industries	7	24	34	17	10	6	2	--	--	--	--	37.0
All groups	9	19	26	22	14	7	2	1	--	--	--	39.5

¹ Breakdown by class range not available.

-- Number too small to be significant.

-- Nil.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1956 - Concluded

Group	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male salaried employees:												
Foods and beverages	--	1	3	7	11	14	16	14	10	11	13	87.5
Tobacco and tobacco products	--	--	1	5	7	11	19	13	11	12	21	101.57
Rubber products.....	--	--	2	5	9	12	14	15	13	13	17	92.31
Leather products	1	2	5	9	12	17	16	11	5	10	12	81.65
Textile products (except clothing)	--	1	3	5	10	13	16	13	9	13	17	92.79
Clothing,including knitting mills	--	3	6	8	10	13	13	10	7	12	18	87.29
Wood products	--	1	2	6	9	13	15	14	11	15	14	89.31
Paper products	--	--	1	3	4	8	10	12	11	16	35	117.86
Printing,publishing and allied industries ...	2	3	5	7	9	10	10	10	9	16	19	91.91
Iron and steel products	--	1	2	5	7	11	12	13	12	17	20	99.50
Transportation equipment.....	--	--	1	3	5	8	11	13	14	22	23	103.42
Non-ferrous metal products	--	--	2	3	6	8	10	13	15	20	23	104.06
Electrical apparatus and supplies	--	--	1	4	5	8	12	14	13	19	24	102.73
Non-metallic mineral products	--	--	2	4	7	13	14	14	12	15	19	97.73
Products of petroleum and coal	--	--	1	3	5	5	8	10	11	17	40	126.42
Chemicals and allied products	--	--	2	4	7	11	11	13	12	17	23	101.85
Miscellaneous industries	--	1	2	5	9	12	14	12	10	14	21	95.04
All groups	--	1	2	5	7	10	12	13	12	17	21	99.05
Female salaried employees:												
Foods and beverages	1	6	20	33	24	10	4	1	1	--	--	47.08
Tobacco and tobacco products	1	2	9	17	29	31	7	3	--	--	1	56.19
Rubber products	1	2	22	38	25	9	2	1	--	--	--	46.94
Leather products	2	14	29	28	17	6	3	1	--	--	--	42.06
Textile products (except clothing)	1	6	29	34	18	8	3	1	--	--	--	44.89
Clothing,including knitting mills	2	12	24	24	20	10	4	2	1	1	--	45.38
Wood products	1	8	24	34	19	9	3	1	1	--	--	45.06
Paper products	1	2	12	29	28	17	7	3	1	--	--	53.03
Printing,publishing and allied industries ...	3	7	24	30	19	9	4	2	1	1	--	46.72
Iron and steel products	1	4	18	34	25	11	4	2	1	--	--	48.75
Transportation equipment.....	--	2	11	26	31	21	6	2	1	--	--	53.81
Non-ferrous metal products	1	4	14	29	29	13	6	3	1	--	--	50.89
Electrical apparatus and supplies	1	2	17	33	28	12	5	1	1	--	--	50.74
Non-metallic mineral products	1	3	15	39	26	11	3	1	--	1	--	49.22
Products of petroleum and coal	--	1	5	23	32	20	9	4	3	3	--	57.72
Chemicals and allied products	--	2	13	34	28	13	6	2	1	1	--	52.51
Miscellaneous industries	1	4	17	33	28	11	3	2	--	1	--	48.29
All groups	1	4	18	31	25	12	5	2	1	1	--	49.31

-- Number too small to be significant.

- Nil.

Real Earnings of Employees in Recent Years.— When the index number representing the average yearly earnings of production workers is divided by the consumer price index, on the same base, a measure of "real" income is obtained. Index numbers for 1931 to 1956 are given in Table 45. In 1933,

the height of the depression, real earnings were 63.9 on the 1949 base. From then on they rose steadily and stood at 101.5 in 1944, an increase of about 59 p.c. In 1946 real earnings dropped to 94.6 and from then on continued to rise each year. In 1956 the index stood at 128.5.

TABLE 45. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers in the Manufacturing Industries, 1931-56

Year	Payments to production workers	Average number employed	Average yearly earnings	Index numbers (1949 = 100)		
				Average yearly earnings	Consumer price index	Real value of average yearly earnings
	\$	No.	\$			
1931	415, 277, 895	437, 149	950	46.0	67.9	67.7
1932	322, 245, 926	381, 783	844	40.8	61.7	66.1
1933	296, 929, 878	382, 022	777	37.6	58.8	63.9
1934	355, 090, 929	427, 717	830	40.2	59.6	67.4
1935	399, 012, 697	458, 734	870	42.1	59.9	70.3
1936	438, 873, 377	489, 942	896	43.3	61.1	70.9
1937	525, 743, 562	544, 624	965	46.7	63.0	74.1
1938	498, 282, 208	521, 427	956	46.3	63.7	72.7
1939	519, 971, 819	533, 342	975	47.2	63.2	74.7
1940	679, 273, 104	626, 484	1, 084	52.4	65.7	79.8
1941	978, 525, 782	802, 234	1, 220	59.0	69.6	84.8
1942	1, 347, 934, 049	974, 904	1, 383	66.9	72.9	91.8
1943	1, 598, 434, 879	1, 047, 873	1, 525	73.8	74.2	99.5
1944	1, 611, 555, 776	1, 030, 324	1, 564	75.7	74.6	101.5
1945	1, 427, 915, 830	928, 665	1, 538	74.4	75.0	99.2
1946	1, 329, 811, 478	877, 150	1, 516	73.3	77.5	94.6
1947	1, 611, 232, 166	940, 650	1, 713	82.9	84.8	97.8
1948	1, 876, 773, 231	957, 491	1, 960	94.8	97.0	97.7
1949	1, 963, 462, 720	949, 656	2, 067	100.0	100.0	100.0
1950	2, 078, 634, 086	952, 244	2, 183	105.6	102.9	102.6
1951	2, 459, 566, 313	1, 010, 588	2, 434	117.8	113.7	103.6
1952	2, 713, 714, 909	1, 025, 355	2, 647	128.1	116.5	110.0
1953	2, 940, 338, 939	1, 053, 226	2, 792	135.1	115.5	117.0
1954	2, 821, 586, 476	989, 030	2, 853	138.0	116.2	118.8
1955	2, 995, 267, 448	1, 010, 992	2, 963	143.3	116.4	123.1
1956	3, 298, 666, 205	1, 051, 723	3, 136	151.7	118.1	128.5

Percentages of Salaries and Wages to Net Value of Products.— Table 46 shows the relation between salaries and wages paid by manufacturers and the total net value of production. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met. The percentage of salaries declined steadily with the increasing manufacturing production from 1924 to 1929, while from 1931 to

1935 and again in 1939 and 1954, due to decreased industrial activity, the percentage of salaries to value added was above normal. It should be borne in mind, however, that salaried employees increased 364 p.c. during the period 1917-56 while wage-earners increased 94 p.c. The percentage of wages has fluctuated much less than that of salaries. The number of wage-earning employees may be more rapidly adjusted to the activity of the industry and wage levels likewise may be more readily adjusted to the price levels of the products. Of the increase in the net value of production since 1939 amounting to \$8,074,372,678, \$3,832,881,037 or 47.5 p.c. was passed along in increased salaries and wages.

TABLE 46. Percentage of Salaries and Wages Paid to the Value Added by Manufacture, Significant Years, 1917-56

	Value added by manufacture ¹	Payments to		Percentages		
		Administrative and office workers	Production workers	Office payments to value added	Production payments to value added	Total payments to value added
		dollars		per cent		
1917	1,281,131,980	85,353,667	412,448,177	6.7	32.2	38.9
1920	1,621,273,348	141,837,361	575,656,515	8.7	35.5	44.2
1921	1,123,694,263	130,094,076	367,305,685	11.6	32.7	44.3
1926	1,305,168,549	142,353,900	483,328,342	10.9	37.0	47.9
1929	1,755,386,937	175,553,710	601,737,507	10.0	34.3	44.3
1933	919,671,181	139,317,946	296,929,878	15.1	32.3	47.4
1937	1,508,924,867	195,983,475	525,743,562	13.0	34.8	47.8
1939	1,531,051,901	217,839,334	519,971,819	14.2	34.0	48.2
1944	4,015,776,010	418,065,594	1,611,555,776	10.4	40.2	50.6
1945	3,564,315,899	417,857,619	1,427,915,830	11.7	40.1	51.8
1946	3,467,004,980	410,875,776	1,329,811,478	11.8	38.4	50.2
1947	4,292,055,802	474,693,800	1,611,232,166	11.0	37.6	48.6
1948	4,938,786,981	532,594,959	1,876,773,231	10.8	38.0	48.8
1949	5,330,566,434	628,427,937	1,963,462,720	11.8	36.8	48.6
1950	5,942,058,229	692,633,349	2,078,634,086	11.6	35.0	46.6
1951	6,940,946,783	816,714,604	2,459,566,313	11.8	35.4	47.2
1952	7,443,533,199	923,905,251	2,713,714,909	12.4	36.5	48.9
1953	7,993,069,351	1,016,679,409	2,940,338,939	12.7	36.8	49.5
1954	7,902,124,137	1,075,101,215	2,821,586,476	13.6	35.7	49.3
1955	8,753,450,496	1,147,142,086	2,995,267,448	13.1	34.2	47.3
1956	9,605,424,579	1,272,025,985	3,298,666,205	13.2	34.4	47.6

¹ Equivalent to "net value of products". see footnote 1, Table 1.

Subsection 6. Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flour-milling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale.

Size as Measured by Gross Value of Products.—While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c. of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929

had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments—a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1941 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total. With increasing prices and an expansion in the physical volume of production during 1947 to 1956, establishments with a production of \$1,000,000 or over increased to 2,979 while their contribution to the total output rose to 81 p.c.

TABLE 47. Manufacturing Establishments, Classified According to Gross Value of Products 1929, 1939, 1944 and 1956

Group of gross values	1929 ¹			1939 ²		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$25,000	14,024	106,735,470	7,611	15,623	120,903,054	7,738
\$ 25,000 but under \$ 50,000	2,802	99,529,725	35,521	2,803	99,558,383	35,521
50,000 " 100,000	2,209	156,308,744	70,760	2,215	156,410,769	70,760
100,000 " 200,000	1,688	237,532,492	140,718	1,584	225,582,130	142,350
200,000 " 500,000	1,519	504,218,217	331,941	1,285	390,626,844	303,840
500,000 " 1,000,000	636	443,597,677	697,481	689	466,441,130	676,400
1,000,000 " 5,000,000	601	1,217,866,089	2,026,400	520	1,091,293,939	2,098,400
5,000,000 and over	118	1,298,198,865	11,001,685	81	923,724,311	11,404,400
Totals and averages	23,597	4,063,987,279	172,225	24,800	3,474,540,560	140,000
	1944			1956 ³		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$25,000	13,942	128,782,147	9,237	14,016	133,408,345	9,516
\$ 25,000 but under \$ 50,000	4,011	143,023,914	35,658	4,980	179,826,287	36,308
50,000 " 100,000	3,442	245,273,500	71,259	4,905	352,055,444	71,789
100,000 " 200,000	2,513	355,235,489	141,359	4,266	608,290,084	142,350
200,000 " 500,000	2,256	714,546,348	316,731	4,149	1,313,515,996	316,731
500,000 " 1,000,000	943	661,870,696	701,666	2,133	1,494,648,452	700,000
1,000,000 " 5,000,000	1,089	2,294,546,053	2,107,021	2,284	4,793,887,428	2,098,400
5,000,000 and over	287	4,530,614,372	15,786,113	695	12,761,116,950	18,361,000
Totals and averages	28,483	9,073,692,519	318,565	37,428	21,636,748,986	578,000

¹ Includes central electric stations and dyeing, cleaning and laundry establishments.

² Exclusive of Yukon and the Northwest Territories.

³ The figures for 1956 are "value of factory shipments" and not "production". They also include Newfoundland.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1956

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling val- of factor shipment
	number				dollars	
Canada:						
Under \$10,000	8,167	10,992	11,404,528	1,216,309	16,746,668	36,042
\$ 10,000 to \$ 24,999	5,849	17,789	32,088,600	2,940,079	44,019,219	97,366
25,000 " 49,999	4,980	27,803	58,348,586	4,584,658	84,248,053	179,826,287
50,000 " 99,999	4,905	45,022	106,757,717	8,170,668	175,725,418	352,055,444
100,000 " 199,999	4,266	64,955	167,454,427	12,264,238	323,974,525	608,290,084
200,000 " 499,999	4,149	125,306	346,033,921	22,319,225	693,959,204	1,313,515,996
500,000 " 999,999	2,133	127,965	371,224,539	24,162,638	789,126,808	1,494,648,452
1,000,000 " 4,999,999	2,284	349,694	1,130,319,793	85,424,603	2,503,484,257	4,793,887,428
5,000,000 and over	695	566,942	2,255,422,338	362,830,098	7,090,179,656	12,761,116,950
Head Offices ¹	—	16,552	91,637,741	28,190	73,081	—
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1956 - Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Food and beverages:						
Under \$10,000	991	1,563	1,484,927	308,749	2,372,072	4,930,703
\$ 10,000 to \$ 24,999	1,320	3,761	5,688,607	1,041,803	12,369,500	22,547,350
25,000 " 49,999	1,240	5,488	9,987,922	1,739,199	27,208,908	45,205,429
50,000 " 99,999	1,294	8,825	17,286,978	3,024,866	61,062,319	93,134,918
100,000 " 199,999	1,187	11,379	24,605,410	4,169,022	120,166,572	170,134,918
200,000 " 499,999	933	18,563	44,220,373	6,571,928	194,640,965	287,629,842
500,000 " 999,999	437	19,773	52,066,565	6,651,399	190,752,327	308,897,815
1,000,000 " 4,999,999	473	52,348	155,552,061	16,545,669	602,710,137	990,047,959
5,000,000 and over	148	60,000	214,160,451	18,450,618	1,262,818,188	1,904,165,270
Head Offices ¹	—	1,308	6,580,965	28,190	73,081	—
Totals	8,023	183,008	531,634,259	58,531,443	2,474,174,069	3,826,702,255
Wool and tobacco products:						
Under \$10,000	14	23	25,241	5,571	23,230	56,928
10,000 to \$ 24,999	4	19	35,987	992	26,947	70,643
25,000 " 49,999	3					
50,000 " 99,999	1	41	86,284	8,581	83,035	197,902
100,000 " 199,999	3					
200,000 " 499,999	2	116	281,754	20,294	525,891	1,056,457
500,000 " 999,999	5	316	634,153	28,577	2,529,383	3,767,964
1,000,000 " 4,999,999	5					
5,000,000 and over	14	9,095	29,236,336	691,568	146,923,013	234,092,978
Head Offices ¹	—	3	9,100	—	—	—
Totals	51	9,613	30,308,855	755,583	150,111,499	239,242,872
Textile products:						
Under \$10,000	7	11	13,866	987	7,311	30,039
10,000 to \$ 24,999	5	16	34,719	2,462	29,912	80,055
25,000 " 49,999	9	44	108,484	8,182	161,563	321,407
50,000 " 99,999	8	108	250,797	16,937	236,817	829,394
100,000 " 199,999	5	56	168,230	10,316	362,069	673,844
200,000 " 499,999	12	389	1,116,146	92,571	1,737,515	4,237,486
500,000 " 999,999	9	633	1,652,421	129,157	3,005,114	5,966,715
1,000,000 " 4,999,999	18	3,370	10,121,307	747,491	20,040,338	41,405,568
5,000,000 and over	18	18,509	68,688,922	3,876,067	135,105,947	302,239,307
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
Other products:						
Under \$10,000	60	91	128,192	9,637	140,706	318,682
10,000 to \$ 24,999	74	215	396,815	23,001	538,888	1,144,173
25,000 " 49,999	59	404	743,328	36,441	1,181,591	2,211,190
50,000 " 99,999	105	1,283	2,580,579	74,494	3,685,416	7,585,930
100,000 " 199,999	89	2,145	4,504,010	124,515	6,557,355	13,188,297
200,000 " 499,999	129	6,440	14,606,274	387,425	22,032,714	43,613,956
500,000 " 999,999	65	6,754	15,183,430	328,799	22,984,888	45,912,334
1,000,000 " 4,999,999	63					
5,000,000 and over	2	14,052	36,827,406	1,313,211	66,669,274	123,057,423
Totals	646	31,384	74,970,034	2,297,523	123,790,832	237,031,985
Grain mills:						
Under \$10,000	100	164	230,215	17,297	171,906	528,580
10,000 to \$ 24,999	126	478	887,592	50,039	794,807	2,211,622
25,000 " 49,999	117	846	1,607,835	96,719	1,769,167	4,259,842
50,000 " 99,999	128	1,526	3,399,625	163,366	3,764,728	9,042,832
100,000 " 199,999	117	2,178	4,810,795	274,592	8,266,489	16,908,157
200,000 " 499,999	130	4,332	10,753,940	678,334	23,947,680	41,727,513
500,000 " 999,999	89	5,118	13,421,718	1,042,623	38,236,213	62,836,949
1,000,000 " 4,999,999	127	23,582	65,634,689	4,655,625	155,254,600	267,005,528
5,000,000 and over	31	30,296	87,122,396	8,030,937	198,214,500	362,456,104
Head Offices ¹	—	2,353	11,458,705	—	—	—
Totals	965	70,873	199,327,510	15,009,532	430,420,090	766,977,127
Saw mills:						
Under \$10,000	9	17	20,146	1,563	24,801	38,398
\$ 10,000 to \$ 24,999	13	45	71,430	4,442	93,913	243,325
25,000 " 49,999	21	138	261,231	9,464	394,722	837,323
50,000 " 99,999	29	457	924,353	27,532	944,089	1,977,647
100,000 " 199,999	43	924	1,897,374	78,182	2,995,933	5,993,370
200,000 " 499,999	73	3,313	7,009,385	319,401	11,470,356	23,203,141
500,000 " 999,999	48	4,291	9,808,467	388,805	16,891,725	32,085,454
1,000,000 " 4,999,999	50	12,629	29,142,165	1,083,838	51,110,481	100,771,069
Head Offices ¹	—	99	503,406	—	—	—
Totals	286	21,913	49,637,957	1,913,227	83,926,020	165,149,727

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments,
by Industrial Group, 1956 - Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Clothing:						
Under \$10,000	128	247	319,826	15,234	329,343	774,409
\$ 10,000 to \$ 24,999	232	943	1,629,099	58,919	1,743,814	4,035,019
25,000 " 49,999	313	2,600	4,673,449	127,711	4,702,639	11,539,817
50,000 " 99,999	398	5,353	10,825,391	234,824	13,606,106	29,299,666
100,000 " 199,999	482	10,112	21,832,298	429,249	36,658,255	69,637,796
200,000 " 499,999	563	20,143	48,065,092	812,141	97,086,362	175,559,428
500,000 " 999,999	276	21,176	48,903,940	673,876	108,102,445	191,964,692
1,000,000 " 4,999,999	129	25,527	62,118,373	796,473	124,016,928	222,695,565
5,000,000 and over	4	3,379	8,514,604	71,615	13,003,129	28,263,570
Head Offices ¹	—	319	1,333,139	—	—	—
Totals	2,525	89,799	208,216,211	3,218,042	399,249,027	733,769,962
Wood products:						
Under \$10,000	4,254	6,011	5,137,420	541,697	8,445,059	18,026,992
\$ 10,000 to \$ 24,999	1,929	5,542	8,865,017	806,266	15,262,908	31,257,549
25,000 " 49,999	1,445	7,360	14,390,742	1,200,788	25,927,167	51,610,859
50,000 " 99,999	1,244	10,701	23,995,429	2,011,608	45,934,294	87,953,046
100,000 " 199,999	854	13,368	33,659,249	2,565,160	62,691,551	120,161,238
200,000 " 499,999	783	24,022	65,989,534	4,193,401	134,305,565	249,214,765
500,000 " 999,999	330	19,966	59,151,155	3,039,934	125,894,345	229,019,341
1,000,000 " 4,999,999	241	33,001	105,276,769	4,461,058	248,433,298	439,255,775
5,000,000 and over	23	14,510	53,953,547	1,449,478	121,071,146	221,112,995
Head Offices ¹	—	1,032	5,930,405	—	—	—
Totals	11,103	135,583	376,349,267	20,269,385	788,465,324	1,446,612,560
Paper products:						
Under \$10,000	26	40	43,547	1,117	44,466	115,278
\$ 10,000 to \$ 24,999	20	66	128,784	9,126	160,665	363,932
25,000 " 49,999	31	197	441,986	24,790	541,247	1,188,696
50,000 " 99,999	49	479	1,106,904	58,174	1,786,190	3,510,940
100,000 " 199,999	64	1,018	2,516,913	144,583	4,744,090	9,236,826
200,000 " 499,999	85	2,671	7,016,671	444,910	14,123,118	27,796,296
500,000 " 999,999	63	3,445	10,098,522	1,060,268	23,914,674	44,188,097
1,000,000 " 4,999,999	144	19,896	67,308,474	8,215,494	189,445,476	333,050,438
5,000,000 and over	86	62,851	277,870,033	97,529,347	650,296,335	1,468,160,497
Head Offices ¹	—	3,042	20,354,582	—	—	—
Totals	568	93,705	386,886,416	107,487,809	885,056,261	1,887,611,000
Printing, publishing and allied industries:						
Under \$10,000	1,612	1,427	1,731,895	103,204	3,488,809	6,193,812
\$ 10,000 to \$ 24,999	948	2,912	5,755,030	249,104	6,308,808	15,544,728
25,000 " 49,999	691	4,363	10,381,230	315,442	8,865,465	24,746,254
50,000 " 99,999	508	5,030	14,770,655	416,999	12,796,576	36,243,293
100,000 " 199,999	351	6,482	20,297,594	538,883	16,690,533	49,704,000
200,000 " 499,999	247	9,014	30,981,229	704,189	25,257,750	76,788,457
500,000 " 999,999	115	9,010	33,463,958	735,461	22,573,472	79,544,997
1,000,000 " 4,999,999	94	18,838	70,488,024	1,362,610	62,874,095	199,915,525
5,000,000 and over	19	15,180	65,945,073	1,102,745	66,346,086	199,753,197
Head Offices ¹	—	105	557,437	—	—	—
Totals	4,585	72,361	254,372,125	5,528,637	225,201,594	688,434,263
Iron and steel products:						
Under \$10,000	203	333	579,922	52,598	375,394	1,218,507
\$ 10,000 to \$ 24,999	396	1,315	3,048,244	214,203	2,018,084	6,691,622
25,000 " 49,999	401	2,671	6,584,648	344,203	4,415,877	14,391,215
50,000 " 99,999	439	4,678	13,417,415	684,165	11,150,456	31,774,903
100,000 " 199,999	391	6,726	21,988,890	1,115,075	22,430,589	55,795,666
200,000 " 499,999	439	13,606	47,433,141	2,174,669	58,549,523	139,880,870
500,000 " 999,999	251	14,928	53,136,318	2,319,360	83,213,262	175,157,143
1,000,000 " 4,999,999	341	59,033	221,221,332	11,059,282	367,147,530	755,101,497
5,000,000 and over	102	93,216	396,603,970	47,376,428	766,513,038	1,576,758,054
Head Offices ¹	—	412	2,362,207	—	—	—
Totals	2,963	196,918	766,376,087	65,339,983	1,315,813,753	2,756,769,477
Transportation equipment:						
Under \$10,000	93	146	215,405	15,968	158,464	458,289
\$ 10,000 to \$ 24,999	68	255	558,924	30,294	442,685	1,160,225
25,000 " 49,999	57	348	898,801	40,944	885,862	2,076,350
50,000 " 99,999	58	607	1,732,864	92,678	1,614,008	4,017,394
100,000 " 199,999	68	1,264	3,955,740	180,616	3,933,291	9,613,399
200,000 " 499,999	73	2,673	8,729,876	345,154	9,581,488	23,112,395
500,000 " 999,999	47	2,917	10,338,960	386,822	16,675,241	34,073,894
1,000,000 " 4,999,999	72	16,766	58,687,489	2,286,745	81,787,079	174,814,090
5,000,000 and over	55	115,579	464,633,294	17,966,855	1,171,219,286	1,943,608,839
Head Offices ¹	—	702	3,820,473	—	—	—
Totals	591	141,257	553,571,826	21,346,076	1,286,297,404	2,192,934,975

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments,
by Industrial Group, 1956 — Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Non-ferrous metal products:						
Under \$10,000	50	72	121,962	6,014	95,079	258,290
\$ 10,000 to \$ 24,999	77	235	526,898	28,169	506,408	1,287,998
25,000 " 49,999	72	416	967,329	45,593	1,127,539	2,597,754
50,000 " 99,999	75	727	2,001,179	94,120	2,572,992	5,545,455
100,000 " 199,999	89	1,380	3,998,176	221,699	6,172,544	12,681,094
200,000 " 499,999	89	2,930	8,603,180	411,332	13,994,135	28,131,196
500,000 " 999,999	32	1,405	4,750,277	234,675	11,862,500	22,684,154
1,000,000 " 4,999,999	64	10,192	37,089,221	2,524,605	85,120,486	152,159,813
5,000,000 and over	33	37,577	156,680,827	67,220,828	1,007,509,873	1,636,810,408
Head Offices ¹	—	1,137	5,620,691	—	—	—
Totals	581	56,071	220,369,740	70,787,035	1,128,961,556	1,862,156,162
Electrical apparatus and supplies:						
Under \$10,000	20	27	41,930	2,450	35,460	85,029
\$ 10,000 to \$ 24,999	26	87	204,937	12,318	219,001	477,191
25,000 " 49,999	27	158	412,859	22,289	408,291	968,765
50,000 " 99,999	44	420	1,245,102	62,634	1,419,488	3,131,814
100,000 " 199,999	51	792	2,110,361	89,472	3,540,744	7,412,035
200,000 " 499,999	87	2,836	8,211,918	278,095	16,220,185	28,922,799
500,000 " 999,999	66	4,089	12,621,091	444,071	26,656,831	47,457,638
1,000,000 " 4,999,999	69	17,838	60,715,511	2,059,214	117,978,721	235,877,127
5,000,000 and over	53	56,502	221,759,412	6,193,724	391,770,799	765,861,777
Head Offices ¹	—	547	3,199,679	—	—	—
Totals	473	83,296	310,522,800	9,164,267	558,249,520	1,090,194,175
Non-metallic mineral products:						
Under \$10,000	169	258	368,776	47,069	316,026	852,047
\$ 10,000 to \$ 24,999	208	709	1,469,925	183,611	1,211,246	3,523,096
25,000 " 49,999	149	937	2,198,869	248,789	1,887,280	5,346,135
50,000 " 99,999	155	1,519	4,199,387	641,103	3,982,000	11,123,519
100,000 " 199,999	143	2,406	7,152,321	1,489,492	7,767,248	20,816,548
200,000 " 499,999	147	4,406	14,517,370	3,167,412	17,071,846	47,255,590
500,000 " 999,999	80	4,010	13,786,422	4,400,650	20,944,231	55,184,682
1,000,000 " 4,999,999	108	13,584	50,872,451	17,953,176	78,147,571	220,192,093
5,000,000 and over	24	11,754	45,793,263	18,187,948	75,545,043	208,247,401
Head Offices ¹	—	582	2,864,379	—	—	—
Totals	1,183	40,165	143,223,163	46,299,250	206,872,491	572,539,111
Products of petroleum and coal:						
Under \$10,000	2	18	44,878	3,709	41,193	98,978
\$ 10,000 to \$ 24,999	5	13	42,261	11,538	67,146	115,960
25,000 " 49,999	3	39	165,670	21,949	359,891	616,827
50,000 " 99,999	8	80	300,219	30,215	664,499	1,109,033
100,000 " 199,999	13	240	840,841	150,662	1,630,078	3,581,210
200,000 " 499,999	12	304	1,130,496	211,261	4,372,675	8,582,887
500,000 " 999,999	22	1,969	7,537,860	2,889,462	34,154,625	59,410,733
1,000,000 " 4,999,999	35	12,554	57,856,445	47,041,467	796,536,807	1,303,710,475
5,000,000 and over	—	2,468	13,761,254	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	107	17,685	81,679,924	50,360,263	837,826,914	1,377,226,103
Chemicals and allied products:						
Under \$10,000	146	208	283,279	24,239	279,647	719,465
\$ 10,000 to \$ 24,999	108	298	614,282	54,565	648,982	1,786,215
25,000 " 49,999	97	424	1,037,038	65,001	1,478,128	3,499,477
50,000 " 99,999	130	894	2,422,076	180,446	4,067,589	9,443,457
100,000 " 199,999	129	1,377	4,420,530	315,778	8,187,217	17,775,852
200,000 " 499,999	179	3,477	11,468,338	851,424	26,166,472	58,014,948
500,000 " 999,999	132	4,942	17,235,913	1,534,839	44,675,548	95,797,306
1,000,000 " 4,999,999	165	15,347	54,825,540	6,540,212	170,423,895	359,128,498
5,000,000 and over	45	23,602	95,938,652	27,072,433	271,636,749	565,068,186
Head Offices ¹	—	2,252	12,496,889	—	—	—
Totals	1,131	52,821	200,742,647	36,638,937	527,564,227	1,111,233,404
Miscellaneous manufacturing industries:						
Under \$10,000	283	351	654,179	62,225	433,498	1,426,672
\$ 10,000 to \$ 24,999	290	878	2,131,235	169,745	1,606,855	4,852,404
25,000 " 49,999	245	1,371	3,563,577	241,129	3,181,990	8,797,458
50,000 " 99,999	232	2,360	6,394,026	362,633	6,702,889	16,930,812
100,000 " 199,999	193	3,229	9,177,450	476,538	11,887,902	27,017,752
200,000 " 499,999	165	6,104	16,246,626	726,734	25,375,214	55,221,906
500,000 " 999,999	76	4,888	13,840,733	552,061	25,841,934	51,526,390
1,000,000 " 4,999,999	69	11,985	38,241,605	1,194,473	52,239,924	124,661,799
5,000,000 and over	3	2,075	9,314,619	324,005	11,599,516	36,144,820
Head Offices ¹	—	191	784,430	—	—	—
Totals	1,556	33,432	100,348,480	4,109,544	138,869,722	326,580,013

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1956

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
1. Pulp and paper mills:						
\$ 50,000 to \$ 99,999	3	82	182,948	35,862	285,780	548,158
100,000 " 199,999	2					
200,000 " 499,999	6	271	685,037	194,667	642,849	2,105,576
500,000 " 999,999	10	493	1,603,817	682,866	3,203,988	7,325,247
1,000,000 " 4,999,999	30	4,605	16,640,070	5,759,193	36,551,031	75,706,877
5,000,000 and over	75	57,955	260,880,973	96,833,303	584,521,794	1,367,755,868
Head Offices ¹	—	2,579	17,579,099	—	—	—
Totals	126	65,985	297,571,944	103,505,891	625,205,442	1,453,441,726
2. Non-ferrous metal smelting and refining:						
\$1,000,000 to \$4,999,999	2	30,788	130,139,944	64,942,503	820,604,322	1,396,565,178
5,000,000 and over	21					
Totals	23	30,788	130,139,944	64,942,503	820,604,322	1,396,565,178
3. Petroleum products:						
Under \$10,000	1					
\$ 10,000 to \$ 24,999	3	13	29,715	5,533	43,976	94,432
25,000 " 49,999	1					
50,000 " 99,999	3	26	138,544	10,405	229,721	320,900
100,000 " 199,999	1					
200,000 " 499,999	3	28	88,441	21,701	344,212	671,725
500,000 " 999,999	5	73	266,697	70,654	2,243,916	3,284,464
1,000,000 " 4,999,999	15	797	3,295,917	1,423,531	23,476,263	36,919,165
5,000,000 and over	29	10,523	48,812,374	41,595,400	740,037,169	1,212,508,293
Head Offices ¹	—	2,465	13,709,950	—	—	—
Totals	61	13,925	66,341,838	43,127,224	766,375,257	1,253,798,979
4. Motor vehicles:						
\$ 100,000 to \$ 199,999	1	247	1,001,820	31,403	1,434,696	2,584,622
500,000 " 999,999	3					
1,000,000 " 4,999,999	5	1,152	4,522,619	135,164	8,221,020	15,504,520
5,000,000 and over	7	33,095	141,058,659	5,812,242	687,644,271	970,054,131
Head Offices ¹	—	605	3,365,125	—	—	—
Totals	16	35,099	149,948,223	5,978,809	697,299,987	988,143,273
5. Slaughtering and meat packing:						
\$ 10,000 to \$ 24,999	1					
25,000 " 49,999	3	17	38,680	3,211	54,703	135,898
50,000 " 99,999	3	38	77,671	19,022	442,760	615,933
100,000 " 199,999	13	129	295,681	31,346	1,616,393	2,023,426
200,000 " 499,999	28	364	1,014,279	120,265	7,383,904	9,494,584
500,000 " 999,999	21	664	1,869,890	248,328	10,175,369	14,505,450
1,000,000 " 4,999,999	35	2,007	6,434,979	637,795	53,089,964	66,548,050
5,000,000 and over	45	21,448	80,740,705	4,534,616	595,230,431	751,565,343
Totals	154	24,667	90,471,885	5,594,583	667,993,524	844,888,684
6. Primary iron and steel:						
Under \$10,000	1	50	177,397	19,130	193,345	475,430
\$ 100,000 to \$ 199,999	3					
200,000 " 499,999	7	296	1,078,949	90,794	941,741	2,604,316
500,000 " 999,999	5	395	1,509,672	165,505	939,817	3,312,362
1,000,000 " 4,999,999	20	3,178	12,096,254	2,430,733	24,435,245	46,010,614
5,000,000 and over	14	32,108	147,919,846	35,605,789	274,768,434	628,457,728
Head Offices ¹	—	16	98,749	—	—	—
Totals	50	36,043	162,880,887	38,311,951	301,298,582	680,860,470
7. Sawmills:						
Under \$10,000	2,924	4,250	2,533,662	298,117	5,873,157	11,548,621
\$ 10,000 to \$ 24,999	1,119	3,169	3,828,524	378,999	9,611,212	18,091,131
25,000 " 49,999	861	3,991	6,654,741	630,218	16,605,343	30,862,637
50,000 " 99,999	742	5,845	11,956,873	1,116,842	28,713,087	52,533,134
100,000 " 199,999	459	6,396	15,571,140	1,384,011	34,176,211	64,225,610
200,000 " 499,999	337	9,026	25,190,074	1,981,705	54,206,419	102,322,532
500,000 " 999,999	97	5,612	17,495,556	1,931,609	35,648,977	69,362,846
1,000,000 " 4,999,999	77	9,597	33,324,351	1,471,948	88,191,031	157,135,635
5,000,000 and over	13	8,447	32,345,761	764,379	77,720,291	133,332,214
Head Offices ¹	—	745	4,408,022	—	—	—
Totals	6,629	57,078	153,809,204	8,957,828	350,745,728	639,414,360

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1956 — Continued

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
8. Butter and cheese:						
Under \$10,000	11	11	9,104	1,786	57,607	68,839
\$ 10,000 to \$ 24,999	49	80	76,289	27,015	791,932	897,848
25,000 " 49,999	145	249	381,610	101,367	4,857,717	5,559,832
50,000 " 99,999	282	796	1,372,522	349,789	18,430,438	20,931,219
100,000 " 199,999	408	1,922	4,102,822	1,026,852	51,166,308	59,350,776
200,000 " 499,999	303	3,400	8,324,424	1,760,428	75,384,499	92,276,720
500,000 " 999,999	92	2,885	8,124,612	1,424,021	44,988,798	61,511,197
1,000,000 " 4,999,999	74	8,304	27,202,046	3,268,475	101,129,944	150,180,310
5,000,000 and over	5	2,508	8,837,454	799,088	23,155,846	40,478,521
Totals	1,369	20,135	58,430,883	8,758,821	319,962,639	431,255,262
9. Miscellaneous electrical apparatus and supplies:						
Under \$10,000	7	7	5,700	370	7,770	17,826
\$ 10,000 to \$ 24,999	11	30	72,119	4,753	83,470	198,968
25,000 " 49,999	11	65	167,527	5,801	145,858	386,602
50,000 " 99,999	13	119	385,058	9,383	347,119	895,411
100,000 " 199,999	15	247	643,552	30,093	978,865	2,120,512
200,000 " 499,999	34	974	3,004,173	119,316	6,224,968	11,276,101
500,000 " 999,999	21	1,254	3,918,707	142,467	8,403,859	14,516,875
1,000,000 " 4,999,999	32	5,184	16,697,115	866,560	38,155,673	75,173,419
5,000,000 and over	17	18,529	74,259,405	2,100,519	151,081,106	288,976,435
Head Offices ¹	—	92	486,058	—	—	—
Total	161	26,501	99,639,414	3,279,262	205,428,688	393,561,949
10. Rubber goods, including footwear:						
Under \$10,000	7	11	13,866	987	7,311	30,039
\$ 10,000 to \$ 24,999	5	16	34,716	2,462	29,912	80,055
25,000 " 49,999	9	44	108,484	8,182	161,563	321,407
50,000 " 99,999	8	103	250,797	16,937	236,817	629,394
100,000 " 199,999	5	56	168,230	10,316	362,069	673,844
200,000 " 499,999	12	389	1,116,146	92,571	1,737,515	4,237,486
500,000 " 999,999	9	633	1,652,421	129,157	3,005,114	5,966,715
1,000,000 " 4,999,999	18	3,370	10,121,307	747,491	20,040,338	41,405,568
5,000,000 and over	18	18,509	68,688,922	3,876,067	135,105,947	302,239,307
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
11. Aircraft and parts:						
\$ 10,000 to \$ 24,999	1	153	504,796	18,048	139,715	839,539
25,000 " 49,999	1					
50,000 " 99,999	10					
100,000 " 199,999	9					
200,000 " 499,999	10	541	2,124,668	47,630	1,523,927	4,505,212
500,000 " 999,999	2					
1,000,000 " 4,999,999	10	3,915	14,582,847	456,190	8,363,439	27,101,506
5,000,000 and over	9	30,783	128,540,525	3,531,078	127,822,692	320,757,002
Totals	52	35,563	146,428,014	4,084,546	138,155,854	354,510,085
12. Railway rolling stock:						
\$ 100,000 to \$ 199,999	1	262	817,122	41,118	2,130,737	3,308,404
200,000 " 499,999	1					
500,000 " 999,999	4					
1,000,000 " 4,999,999	8					
5,000,000 and over	15	25,253	90,949,629	3,965,491	192,458,046	319,730,466
Totals	29	28,118	100,729,171	4,394,127	207,028,080	345,516,206
13. Miscellaneous food preparations:						
Under \$10,000	30	46	47,746	8,450	79,171	135,462
\$ 100,000 to \$ 24,999	27	78	122,505	18,050	254,924	491,410
25,000 " 49,999	26	98	215,826	23,854	519,398	944,222
50,000 " 99,999	33	210	515,076	54,892	1,459,327	2,428,004
100,000 " 199,999	41	430	1,075,809	106,964	3,914,937	5,975,927
200,000 " 499,999	37	692	1,898,200	215,571	7,828,364	12,678,936
500,000 " 999,999	39	1,213	3,398,768	362,464	17,905,226	27,203,207
1,000,000 " 4,999,999	51	3,500	10,172,871	1,110,420	82,778,297	116,669,109
5,000,000 and over	17	2,945	10,523,590	1,671,528	114,784,348	168,141,789
Head Offices ¹	—	466	2,490,212	—	—	—
Totals	301	9,878	30,460,603	3,572,193	229,523,992	334,668,066

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1956 — Continued

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
14. Motor vehicle parts:						
Under \$10,000	13	17	28,991	3,125	31,846	79,074
\$ 10,000 to \$ 24,999	14	48	110,110	6,960	76,590	255,210
25,000 " 49,999	18	98	259,488	15,067	309,830	684,529
50,000 " 99,999	23	206	571,448	41,623	703,229	1,545,994
100,000 " 199,999	25	427	1,395,177	70,067	1,678,837	3,569,649
200,000 " 499,999	33	893	2,934,081	146,490	4,955,886	9,961,651
500,000 " 999,999	25	1,397	4,649,837	184,512	9,833,896	18,331,208
1,000,000 " 4,999,999	32	4,872	17,155,563	774,703	39,231,179	73,172,055
5,000,000 and over	15	13,416	54,801,814	3,364,544	120,763,630	221,925,750
Head Offices ¹	—	97	455,348	—	—	—
Totals	198	21,471	82,361,857	4,607,091	177,584,923	329,525,120
15. Machinery, industrial:						
Under \$10,000	17	19	20,880	2,980	26,170	79,661
\$ 10,000 to \$ 24,999	17	64	129,107	7,304	94,566	287,318
25,000 " 49,999	25	135	372,201	22,458	330,879	905,483
50,000 " 99,999	37	402	1,183,237	52,293	943,529	2,737,455
100,000 " 199,999	60	1,103	3,765,241	173,510	3,352,851	8,635,898
200,000 " 499,999	56	1,650	6,102,388	253,876	7,314,569	17,834,514
500,000 " 999,999	38	2,621	9,538,013	280,629	13,344,934	28,894,431
1,000,000 " 4,999,999	67	11,787	46,616,942	1,186,936	61,885,697	139,048,782
5,000,000 and over	12	8,785	35,105,586	1,184,620	55,483,578	131,033,665
Head Offices ¹	—	9	50,517	—	—	—
Totals	329	26,575	102,884,112	3,164,606	142,776,773	329,447,227
16. Bread and other bakery products:						
Under \$10,000	387	678	708,728	140,945	1,159,330	2,402,388
\$ 10,000 to \$ 24,999	871	2,601	4,113,562	737,577	7,361,224	14,772,468
25,000 " 49,999	613	3,262	6,321,812	928,183	10,967,987	21,738,369
50,000 " 99,999	371	3,611	7,952,458	1,078,012	12,605,364	25,827,924
100,000 " 199,999	161	2,736	6,764,213	859,300	11,065,116	22,280,817
200,000 " 499,999	108	4,319	11,062,137	1,305,154	16,055,742	33,301,826
500,000 " 999,999	57	4,239	12,446,385	1,360,515	19,040,149	41,313,734
1,000,000 " 4,999,999	50	10,556	33,042,617	3,228,421	48,517,628	105,573,522
5,000,000 and over	6	3,454	11,447,110	1,117,547	19,153,260	39,594,250
Totals	2,624	35,456	93,759,028	10,755,654	145,925,800	306,805,298
17. Printing and publishing:						
Under \$10,000	130	200	391,327	33,085	160,279	758,030
\$ 10,000 to \$ 24,999	187	689	1,625,087	95,595	606,846	3,078,818
25,000 " 49,999	142	1,070	2,772,785	116,894	1,002,875	5,153,247
50,000 " 99,999	109	1,389	3,769,969	144,696	1,601,297	7,554,519
100,000 " 199,999	68	1,562	4,608,143	168,998	1,919,077	9,562,073
200,000 " 499,999	43	2,067	6,564,908	193,415	2,810,413	14,450,341
500,000 " 999,999	37	3,336	11,651,531	298,860	5,607,177	27,076,130
1,000,000 " 4,999,999	39	8,990	33,160,508	687,795	22,304,687	87,947,609
5,000,000 and over	13	11,555	51,278,283	857,429	47,975,913	149,745,818
Head Offices ¹	—	49	203,312	—	—	—
Totals	768	30,907	116,025,853	2,596,767	83,988,564	305,326,585
18. Furniture:						
Under \$10,000	546	717	1,172,356	95,000	1,173,058	2,938,338
\$ 10,000 to \$ 24,999	396	1,095	2,421,016	188,352	2,669,397	6,334,750
25,000 " 49,999	250	1,344	3,316,947	198,260	3,941,874	8,870,835
50,000 " 99,999	191	1,739	4,517,035	224,399	6,411,560	13,043,769
100,000 " 199,999	166	3,007	7,957,905	371,961	11,724,706	23,648,536
200,000 " 499,999	137	6,768	18,745,422	702,141	31,641,510	60,476,436
500,000 " 999,999	87	6,122	18,469,907	608,930	29,982,132	59,714,891
1,000,000 " 4,999,999	64	10,518	31,997,745	931,591	54,231,883	105,407,586
5,000,000 and over	3	1,414	4,870,418	122,431	6,179,152	17,119,263
Totals	1,890	32,724	93,468,751	3,445,065	148,015,272	297,534,404
19. Sheet metal products:						
Under \$10,000	7	10	13,620	1,750	8,720	34,782
\$ 10,000 to \$ 24,999	33	106	205,671	13,249	199,912	558,989
25,000 " 49,999	46	266	659,912	36,969	695,715	1,718,678
50,000 " 99,999	51	403	1,077,408	47,724	1,796,251	3,628,249
100,000 " 199,999	54	845	2,593,692	139,554	3,549,773	7,806,439
200,000 " 499,999	87	2,298	7,711,882	309,182	13,594,349	28,338,417
500,000 " 999,999	46	2,280	7,923,446	333,080	15,617,229	30,538,305
1,000,000 " 4,999,999	43	7,542	26,536,485	1,084,390	49,906,773	96,262,516
5,000,000 and over	14	6,262	27,023,371	1,206,403	77,388,347	127,156,753
Totals	381	20,012	73,745,487	3,172,301	162,747,069	296,043,128

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1956 — Concluded

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
20. Clothing, men's factory:						
Under \$10,000.....	12	18	17,611	1,497	35,567	64,474
\$ 10,000 to \$ 24,999.....	25	93	155,532	5,182	242,156	459,505
25,000 " 49,999.....	30	195	365,599	9,837	576,173	1,072,160
50,000 " 99,999.....	53	495	1,005,720	23,923	2,335,692	4,015,692
100,000 " 199,999.....	129	2,428	4,829,142	90,759	11,163,076	18,547,651
200,000 " 499,999.....	156	5,320	11,809,103	224,198	30,130,197	49,370,074
500,000 " 999,999.....	85	6,361	14,021,743	213,882	37,697,096	60,955,932
1,000,000 " 4,999,999.....	58	14,208	34,680,868	414,631	62,706,434	115,435,757
5,000,000 and over.....	3	2,630	7,025,355	53,033	10,539,261	22,224,670
Head Offices ¹	—	293	1,261,270	—	—	—
Totals	551	32,041	75,171,943	1,036,942	155,425,652	272,145,915
21. Machinery, heavy electrical:						
Under \$10,000.....	1	17	33,211	2,660	16,407	54,823
\$ 10,000 to \$ 24,999.....	2	62	171,873	7,264	274,066	498,918
25,000 " 49,999.....	7	32	250,762	5,244	395,537	4,230,212
50,000 " 99,999.....	6	373	1,000,548	36,645	1,583,051	3,015,874
100,000 " 199,999.....	9	902	3,143,981	96,617	5,863,837	11,013,362
200,000 " 499,999.....	14	4,647	17,320,881	436,565	28,584,911	60,549,204
500,000 " 999,999.....	24	17,231	71,867,695	1,839,871	79,356,539	185,835,196
1,000,000 and over.....	11	312	1,941,021	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	74	23,636	95,729,972	2,424,866	116,074,348	261,832,208
22. Fruit and vegetable preparations:						
Under \$10,000.....	39	53	59,642	7,585	139,985	215,716
\$ 10,000 to \$ 24,999.....	43	128	161,133	22,694	408,688	713,409
25,000 " 49,999.....	45	238	309,746	38,355	1,125,133	1,697,449
50,000 " 99,999.....	59	627	992,762	105,423	2,847,439	4,230,212
100,000 " 199,999.....	68	1,213	2,056,612	205,686	6,595,293	9,977,056
200,000 " 499,999.....	89	2,541	4,679,933	474,507	16,902,699	27,731,590
500,000 " 999,999.....	54	3,155	7,026,269	687,711	24,449,422	40,630,226
1,000,000 " 4,999,999.....	46	5,482	12,786,439	1,124,172	58,111,673	92,382,611
5,000,000 and over.....	3	2,985	10,669,502	655,734	39,919,283	72,305,278
Head Offices ¹	—	328	1,227,000	—	—	—
Totals	446	16,750	39,969,038	3,321,867	150,499,615	249,883,547
23. Telecommunication equipment:						
Under \$10,000.....	4	5	5,390	20	5,870	12,828
\$ 10,000 to \$ 24,999.....	9	35	89,107	3,775	84,294	157,381
25,000 " 49,999.....	6	37	97,070	5,908	98,920	227,296
50,000 " 99,999.....	13	131	411,594	16,510	428,024	1,003,279
100,000 " 199,999.....	18	291	763,023	27,855	1,262,754	2,821,752
200,000 " 499,999.....	23	948	2,579,042	49,832	3,798,076	7,714,025
500,000 " 999,999.....	17	1,240	3,597,739	90,641	6,014,027	11,815,715
1,000,000 " 4,999,999.....	20	4,546	14,749,670	279,211	23,023,448	47,981,895
5,000,000 and over.....	15	14,118	49,979,542	795,834	100,467,067	173,028,763
Head Offices ¹	—	52	276,740	—	—	—
Totals	125	21,403	72,568,917	1,269,636	135,182,456	244,762,834
24. Brass and copper products:						
Under \$10,000.....	11	13	26,457	2,085	25,272	50,582
\$ 10,000 to \$ 24,999.....	19	52	110,512	9,753	138,001	295,840
25,000 " 49,999.....	18	100	248,210	15,448	283,632	643,215
50,000 " 99,999.....	20	182	505,194	37,680	682,345	1,417,424
100,000 " 199,999.....	24	379	1,134,474	89,075	1,698,034	3,538,051
200,000 " 499,999.....	20	712	1,805,445	147,569	3,909,196	6,919,923
500,000 " 999,999.....	10	382	1,418,374	85,130	3,558,878	6,883,393
1,000,000 " 4,999,999.....	26	4,366	16,201,414	901,908	30,918,209	62,153,188
5,000,000 and over.....	6	3,163	13,204,955	1,116,465	132,388,098	162,194,500
Head Offices ¹	—	11	73,826	—	—	—
Totals	154	9,220	34,729,361	2,405,113	173,601,665	244,096,116
25. Iron castings:						
Under \$10,000.....	15	27	40,060	4,880	20,890	84,062
\$ 10,000 to \$ 24,999.....	16	53	112,949	12,178	76,866	252,296
25,000 " 49,999.....	19	158	397,393	23,748	207,951	739,018
50,000 " 99,999.....	23	289	827,011	43,680	546,731	1,695,122
100,000 " 199,999.....	27	589	1,681,178	82,912	1,416,578	3,932,158
200,000 " 499,999.....	42	1,802	5,927,089	288,241	4,832,817	13,933,682
500,000 " 999,999.....	22	1,469	5,353,896	243,696	5,968,730	15,066,292
1,000,000 " 4,999,999.....	21	3,775	14,563,469	851,668	17,017,852	42,063,426
5,000,000 and over.....	14	9,068	37,028,808	2,633,019	93,303,307	166,212,551
Head Offices ¹	—	131	877,803	—	—	—
Totals	199	17,361	66,815,656	4,184,022	123,391,722	244,028,587

¹ Under this heading are included only those head offices which are not located at the plant.

Size as Measured by Number of Employees.—In 1929, establishments employing 501 hands or over accounted for 27.3 p.c. of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments employing 101 hands or over. In 1929 they employed 61.9 p.c., in 1933, 55.7 p.c. and in 1939, 61.5 p.c.

The effect of the War on the concentration of industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25.6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47.0. In a further subdivision of this group in 1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499, and 101 employed over 1,500. Altogether there were 12 plants employing over 7,000 persons, the largest having an employment of a little over 13,000 with the next three largest employing between

9,000 and 10,000. Three other plants employed between 8,000 and 9,000 persons, while the lowest five plants in this group employed between 7,000 and 8,000 workers.

With the resumption of peace-time production the larger establishments declined in size so that by 1956 only 66 establishments employed over 1,500 persons, as compared with 101 in 1944. In 1956 there were only three manufacturing plants employing between 9,000 to 10,000 persons. Three other establishments employed between 8,000 and 9,000 and four employed between 6,000 and 8,000. Altogether there were only twelve establishments employing over 5,000 persons in 1956.

Employees	Establishments
1,500 to 2,999	45
3,000 to 3,999	5
4,000 to 4,999	4
5,000 to 5,999	2
6,000 and over	10
Total	66

TABLE 50. Manufacturing Establishments, Classified by Number of Employees per Establishment, and by Provinces, 1956

Province	Up to 499	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland	781	—	—	1	1	783
Prince Edward Island	192	—	—	—	—	192
Nova Scotia	1,395	1	4	—	2	1,402
New Brunswick	996	5	1	2	—	1,004
Quebec	11,973	62	25	28	24	12,112
Ontario	13,018	96	32	36	33	13,215
Manitoba	1,524	4	2	2	2	1,534
Saskatchewan	798	—	—	—	—	798
Alberta	1,962	7	1	1	—	1,971
British Columbia	4,365	13	7	4	4	4,393
Yukon and Northwest Territories	24	—	—	—	—	24
Canada	37,028	188	72	74	66	37,428

TABLE 51. Manufacturing Establishments Classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1956

Group	1929 ¹			1939 ²		
	Estab- lishments	Employees	Average per estab- lishment	Estab- lishments	Employees	Average per estab- lishment
	number					
Under 5 employees	12, 273	30, 446	3. 5	13, 002	28, 020	2. 2
5 to 20 employees	6, 160	62, 310	10. 1	6, 985	68, 151	9. 8
21 " 50 "	2, 531	81, 846	32. 3	2, 330	75, 324	32. 3
51 " 100 "	1, 262	90, 238	71. 5	1, 158	81, 646	70. 5
101 " 200 "	745	103, 944	139. 5	695	97, 063	139. 7
201 " 500 "	444	136, 397	307. 2	458	139, 687	305. 0
501 and over	182	189, 253	1, 040. 0	172	168, 168	977. 7
Totals and averages	23, 597	694, 434	29. 4	24, 800	658, 059	26. 5
	1944			1956 ⁴		
Under 5 employees	13, 208	29, 958	2. 3	15, 807	34, 424	2. 2
5 to 14 employees	7, 111	58, 404	8. 2	9, 768	81, 151	8. 3
15 " 49 "	4, 615	124, 408	27. 0	6, 468	173, 156	26. 8
50 " 99 "	1, 622	113, 869	70. 2	2, 101	145, 886	69. 4
100 " 199 "	900	126, 192	140. 2	1, 221	168, 495	138. 0
200 " 499 "	644	196, 707	305. 4	777	239, 195	307. 8
500 " 999 "	383	573, 344	1, 497. 0	260	181, 986	699. 9
1, 000 " 1, 499 "				74	91, 452	1, 235. 8
1, 500 and over				66	220, 723	3, 344. 3
Head offices ³	—	—	—	—	16, 552	—
Not classifiable	—	—	—	886	—	—
Totals and averages	28, 483	1, 222, 882	42. 9	37, 428	1, 353, 020	36. 1

¹ Includes central electric stations, dyeing, cleaning and laundry establishments.

² Exclusive of Yukon and the Northwest Territories.

³ Under this heading are included only those head offices which are not located at the plant.

⁴ Includes Newfoundland.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1936.

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Canada:						
Under 5 employees	15,807	34,424	60,175,569	7,243,424	203,244,855	326,661,142
5 to 14 employees	9,768	81,151	205,696,606	18,222,717	545,227,029	944,093,327
15 " 49 "	6,468	173,156	490,166,876	37,943,269	1,237,380,837	2,219,534,830
50 " 99 "	2,101	145,886	430,594,776	31,950,179	1,049,324,465	1,952,641,081
100 " 199 "	1,221	168,495	522,458,735	47,058,234	1,422,446,267	2,568,576,166
200 " 499 "	777	239,195	821,741,428	101,088,230	2,199,554,427	4,143,302,508
500 " 999 "	260	181,986	679,327,988	106,492,369	1,923,874,580	3,546,252,188
1,000 " 1,499 "	74	91,452	353,714,544	49,118,376	919,763,113	1,702,268,319
1,500 and over	66	220,723	915,177,927	124,795,718	2,216,060,323	4,227,749,455
Head Offices ¹	—	16,552	91,637,741	28,190	73,081	—
Not classifiable ²	886	—	—	—	4,587,912	5,669,970
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986
Foods and beverages:						
Under 5 employees	3,777	9,086	15,659,812	3,655,635	113,535,779	147,503,698
5 to 14 employees	2,454	19,499	43,108,476	7,781,957	232,757,670	327,858,101
15 " 49 "	1,094	29,048	72,218,752	10,794,971	360,502,182	535,414,667
50 " 99 "	332	23,117	66,085,049	7,642,603	283,681,134	470,860,896
100 " 199 "	206	28,741	83,732,522	8,873,485	406,443,020	641,595,881
200 " 499 "	115	34,814	113,106,821	9,643,890	494,095,113	777,258,745
500 " 999 "	36	24,505	82,002,755	6,915,841	332,400,280	537,140,589
1,000 " 1,499 "	8	13,090	49,139,107	3,194,871	250,685,810	389,069,678
1,500 and over	1	1,308	6,580,965	28,190	73,081	—
Head Offices ¹	—	—	—	—	—	—
Totals	8,023	183,008	531,634,259	58,531,443	2,474,174,069	3,826,702,255
Tobacco and tobacco products:						
Under 5 employees	18	37	56,728	10,034	57,660	131,303
5 to 14 employees	4	37	57,279	8,539	82,602	213,786
15 " 49 "	8	209	552,669	31,613	2,206,417	3,679,352
50 " 99 "	4	310	689,361	28,530	8,805,843	10,188,479
100 " 199 "	4	557	1,234,442	79,308	12,599,262	14,745,663
200 " 499 "	8	2,184	5,460,260	207,183	48,990,548	66,246,189
500 " 999 "	3	—	—	—	—	—
1,500 and over	2	6,276	22,249,016	390,376	77,369,167	144,038,100
Head Offices ¹	—	3	9,100	—	—	—
Totals	51	9,613	30,308,855	755,583	150,111,499	239,242,872
Rubber products:						
Under 5 employees	15	33	65,191	4,163	117,293	237,810
5 to 14 employees	15	115	337,016	27,929	529,636	1,172,331
15 " 49 "	19	535	1,577,120	125,421	4,836,715	8,271,496
50 " 99 "	9	627	1,901,430	191,905	3,168,475	7,624,447
100 " 199 "	8	1,010	2,991,576	226,724	6,583,944	12,785,348
200 " 499 "	8	2,588	8,431,691	618,885	16,212,986	33,236,096
500 " 999 "	9	6,138	20,537,033	1,047,106	30,215,335	72,610,396
1,000 " 1,499 "	6	—	—	—	—	—
1,500 and over	2	12,090	46,313,832	2,642,037	99,022,202	219,645,891
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
Leather products:						
Under 5 employees	156	358	719,809	57,151	1,634,689	2,814,636
5 to 14 employees	120	1,143	2,361,071	85,195	3,391,223	7,253,347
15 " 49 "	187	5,315	12,063,209	392,656	20,260,305	38,335,531
50 " 99 "	87	6,319	14,334,218	337,494	21,654,773	43,707,237
100 " 199 "	66	9,321	22,547,322	613,596	36,572,560	70,733,160
200 " 499 "	27	7,213	18,999,168	598,172	33,624,227	62,562,072
500 " 999 "	3	1,715	3,945,237	213,259	6,653,055	11,626,002
Totals	646	31,384	74,970,034	2,297,523	123,790,832	237,031,985
Textile mills:						
Under 5 employees	234	562	1,105,844	76,915	2,138,297	4,390,871
5 to 14 employees	258	2,225	5,078,477	281,726	13,655,735	22,961,411
15 " 49 "	253	6,826	16,652,119	1,094,592	50,714,720	81,314,555
50 " 99 "	84	5,744	15,104,072	1,055,169	38,463,520	64,725,977
100 " 199 "	60	8,704	24,562,179	1,494,156	65,771,650	108,589,896
200 " 499 "	53	16,967	47,526,797	3,700,267	92,357,849	173,833,991
500 " 999 "	10	7,518	19,852,187	1,517,483	44,557,150	78,246,888
1,000 " 1,499 "	9	10,865	30,541,283	2,593,230	83,727,639	143,756,403
1,500 and over	4	9,109	27,445,847	3,195,994	39,033,480	89,157,131
Head Offices ¹	—	2,353	11,458,705	—	—	—
Totals	965	70,873	199,327,510	15,009,532	430,420,090	766,977,127

See footnotes at the end of table.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1936 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Knitting mills:						
Under 5 employees.....	34	80	187,461	12,245	759,372	1,253,763
5 to 14 employees.....	44	416	872,484	32,670	2,190,685	3,781,153
15 " 49 ".....	89	2,614	5,876,502	239,313	12,319,829	23,149,335
50 " 99 ".....	56	4,027	8,845,923	330,057	15,642,235	30,008,855
100 " 199 ".....	33	4,466	10,157,184	409,622	17,389,671	33,008,905
200 " 499 ".....	27	8,236	19,402,562	678,827	29,370,118	61,330,207
500 " 999 ".....	3	1,975	3,792,435	210,493	6,254,110	12,617,509
Head Offices¹.....	—	99	503,406	—	—	—
Totals.....	286	21,913	49,637,957	1,913,227	83,926,020	165,149,727
Clothing:						
Under 5 employees.....	478	1,178	2,589,701	104,456	12,415,507	18,313,045
5 to 14 employees.....	670	5,830	14,496,708	354,383	42,484,350	68,171,204
15 " 49 ".....	884	24,250	57,508,689	946,642	107,981,265	201,596,661
50 " 99 ".....	300	20,210	45,692,868	675,948	85,998,009	158,640,931
100 " 199 ".....	140	18,693	40,702,354	584,038	80,596,688	146,687,450
200 " 499 ".....	45	13,371	30,996,311	413,475	47,638,694	94,589,772
500 " 999 ".....	7	5,948	14,896,441	139,100	22,134,514	45,770,899
1,000 " 1,499 ".....	1	—	—	—	—	—
Head Offices¹.....	—	319	1,333,139	—	—	—
Totals.....	2,525	89,799	208,216,211	3,218,042	399,249,027	733,769,962
Wood products:						
Under 5 employees.....	6,790	13,371	17,964,689	1,758,135	38,352,137	74,468,337
5 to 14 employees.....	2,532	20,451	47,343,839	4,067,545	109,280,499	196,859,560
15 " 49 ".....	1,262	33,029	91,318,887	6,068,730	214,217,435	378,180,366
50 " 99 ".....	311	21,371	62,681,957	3,046,874	133,455,072	243,599,522
100 " 199 ".....	144	19,424	58,877,480	2,610,540	114,812,978	214,701,839
200 " 499 ".....	51	16,427	53,590,493	1,610,485	92,968,498	186,273,437
500 " 999 ".....	12	10,478	38,641,517	1,107,076	85,378,705	152,529,499
1,000 " 1,499 ".....	1	—	—	—	—	—
Head Offices¹.....	—	1,032	5,930,405	—	—	—
Totals.....	11,103	135,583	376,349,267	20,269,385	788,465,324	1,446,612,560
Paper products:						
Under 5 employees.....	66	160	337,973	24,407	1,005,353	1,783,767
5 to 14 employees.....	90	794	2,157,310	163,969	5,963,827	10,530,509
15 " 49 ".....	142	3,944	11,175,742	1,041,062	29,344,037	53,132,295
50 " 99 ".....	89	6,354	19,154,398	2,092,751	57,880,318	105,184,125
100 " 199 ".....	70	9,845	32,885,987	3,937,829	88,890,445	159,736,052
200 " 499 ".....	61	19,980	78,155,963	21,954,348	217,912,180	424,680,111
500 " 999 ".....	33	24,584	108,217,205	38,996,091	254,523,333	589,220,576
1,000 " 1,499 ".....	11	14,410	67,069,879	21,114,640	139,806,372	320,801,524
1,500 and over.....	6	10,612	47,374,377	18,162,712	89,730,416	222,542,041
Head Offices¹.....	—	3,042	20,354,582	—	—	—
Totals.....	568	93,705	386,886,416	107,487,809	885,056,261	1,887,611,000
Printing, publishing and allied industries:						
Under 5 employees.....	1,760	3,842	7,917,300	353,358	10,958,802	24,455,989
5 to 14 employees.....	1,166	9,627	27,239,257	778,484	23,386,714	66,915,945
15 " 49 ".....	506	12,881	42,425,742	1,036,071	32,571,382	105,707,175
50 " 99 ".....	149	10,533	36,381,702	822,001	30,397,631	94,630,365
100 " 199 ".....	63	8,551	31,545,341	690,033	25,061,859	81,366,845
200 " 499 ".....	38	11,979	43,620,235	809,783	37,717,160	125,830,851
500 " 999 ".....	13	8,735	36,860,623	550,266	35,453,066	109,882,518
1,000 " 1,499 ".....	2	6,108	27,824,488	488,641	25,067,068	73,974,605
1,500 and over.....	2	—	—	—	—	—
Head Offices¹.....	—	105	557,437	—	—	—
Not classifiable².....	886	—	—	—	4,587,912	5,669,970
Totals.....	4,585	72,361	254,372,125	5,528,637	225,201,594	688,434,263
Iron and steel products:						
Under 5 employees.....	676	1,732	4,250,893	325,872	5,942,686	14,248,068
5 to 14 employees.....	886	7,892	23,646,414	1,280,854	31,116,425	73,527,689
15 " 49 ".....	785	20,966	71,366,661	3,372,800	111,305,504	241,595,565
50 " 99 ".....	256	18,262	66,398,535	2,957,416	115,244,816	234,952,171
100 " 199 ".....	152	21,076	79,267,778	5,141,312	151,253,727	294,314,428
200 " 499 ".....	140	43,140	165,168,092	7,786,744	279,104,944	588,016,249
500 " 999 ".....	47	31,291	125,135,117	7,665,090	216,390,196	437,619,492
1,000 " 1,499 ".....	10	12,587	51,466,273	5,940,135	111,290,892	219,478,428
1,500 and over.....	11	39,560	177,314,117	30,869,760	294,164,563	653,017,387
Head Offices¹.....	—	412	2,362,207	—	—	—
Totals.....	2,963	196,918	766,376,087	65,339,983	1,315,813,753	2,756,769,477

See footnotes at the end of tables.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1956 - Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Transportation equipment:						
Under 5 employees.....	172	395	863,550	57,975	1,812,331	3,962,968
5 to 14 employees.....	120	1,048	3,070,934	159,089	3,437,775	8,195,134
15 " 49 ".....	130	3,603	11,918,259	499,221	17,169,465	37,473,962
50 " 99 ".....	47	3,206	11,331,409	398,323	16,958,534	37,269,914
100 " 199 ".....	38	5,273	18,601,824	965,521	33,641,179	66,063,019
200 " 499 ".....	32	10,116	38,331,059	1,757,052	74,639,733	142,853,484
500 " 999 ".....	21	15,708	57,025,365	2,048,135	104,148,338	187,956,530
1,000 " 1,499 ".....	11	12,627	49,102,949	2,407,936	148,171,396	226,750,334
1,500 and over.....	20	88,579	359,506,004	13,052,824	886,318,653	1,482,409,630
Head Offices ¹	—	702	3,820,473	—	—	—
Totals	591	141,257	553,571,826	21,346,076	1,286,297,404	2,192,934,975
Non-ferrous metal products:						
Under 5 employees.....	154	363	865,368	62,854	1,864,031	3,419,086
5 to 14 employees.....	177	1,575	4,727,773	226,500	11,017,534	19,212,123
15 " 49 ".....	135	3,593	11,741,806	844,743	60,952,028	84,077,850
50 " 99 ".....	42	2,886	9,137,893	611,231	29,759,938	45,591,465
100 " 199 ".....	27	3,681	12,717,295	1,690,464	89,312,949	131,447,384
200 " 499 ".....	24	7,608	28,203,958	7,082,902	113,633,232	204,628,735
500 " 999 ".....	11	7,479	28,675,012	12,134,425	327,367,892	422,078,202
1,000 " 1,499 ".....	3	3,548	15,155,173	6,838,541	87,401,666	148,745,300
1,500 and over.....	8	24,201	103,524,971	41,295,375	407,652,286	802,956,017
Head Offices ¹	—	1,137	5,620,691	—	—	—
Totals	581	56,071	220,369,740	70,787,035	1,128,961,556	1,862,156,162
Electrical apparatus and supplies:						
Under 5 employees.....	55	121	287,385	21,905	789,540	1,341,343
5 to 14 employees.....	92	809	2,435,188	117,226	5,511,764	10,235,959
15 " 49 ".....	126	3,603	10,878,067	492,545	32,826,222	53,569,539
50 " 99 ".....	65	4,487	13,831,191	553,867	30,905,135	59,153,423
100 " 199 ".....	49	6,901	23,361,818	712,198	57,274,334	103,399,289
200 " 499 ".....	51	15,766	56,623,218	1,832,033	137,914,043	250,163,207
500 " 999 ".....	21	14,963	54,381,624	1,807,082	90,275,407	187,757,692
1,000 " 1,499 ".....	6	7,078	27,916,746	1,051,233	52,972,525	98,189,723
1,500 and over.....	8	29,021	117,607,884	2,576,178	149,780,550	326,384,000
Head Offices ¹	—	547	3,199,679	—	—	—
Totals	473	83,296	310,522,800	9,164,267	558,249,520	1,090,194,175
Non-metallic mineral products:						
Under 5 employees.....	411	988	2,025,335	264,550	3,085,666	7,368,245
5 to 14 employees.....	344	2,979	8,379,180	1,397,957	15,012,651	32,890,491
15 " 49 ".....	260	7,014	23,522,122	6,839,220	38,273,384	100,621,735
50 " 99 ".....	78	5,183	17,621,892	5,326,177	23,177,564	68,685,040
100 " 199 ".....	51	7,385	27,448,842	8,969,217	41,777,299	117,626,011
200 " 499 ".....	29	8,401	32,520,989	14,114,897	49,851,373	147,830,015
500 " 999 ".....	8	7,633	28,840,424	9,387,232	35,694,554	97,517,574
1,000 " 1,499 ".....	2	—	—	—	—	—
Head Offices ¹	—	582	2,864,379	—	—	—
Totals	1,183	40,165	143,223,163	46,299,250	206,872,491	572,539,111
Products of petroleum and coal:						
Under 5 employees.....	12	33	99,117	20,747	204,658	408,793
5 to 14 employees.....	22	197	726,962	124,401	4,471,821	6,432,067
15 " 49 ".....	24	641	2,629,886	636,735	10,933,011	22,200,653
50 " 99 ".....	11	805	3,271,460	2,742,848	44,536,376	62,778,596
100 " 199 ".....	12	1,744	7,455,740	5,375,131	90,603,951	140,868,847
200 " 499 ".....	20	6,385	28,618,856	20,914,831	335,092,115	570,388,282
500 " 999 ".....	5	—	—	—	—	—
1,000 " 1,499 ".....	1	5,412	25,116,649	20,545,570	351,984,982	574,148,885
1,500 and over.....	1	—	—	—	—	—
Head Offices ¹	—	2,468	13,761,254	—	—	—
Totals	107	17,685	81,679,924	50,360,263	837,826,914	1,377,226,103
Chemicals and allied products:						
Under 5 employees.....	361	797	1,827,761	159,841	4,205,877	10,380,822
5 to 14 employees.....	316	2,689	8,531,289	664,071	28,222,547	56,541,030
15 " 49 ".....	255	6,986	24,016,010	2,461,392	90,640,973	167,884,917
50 " 99 ".....	97	6,720	22,939,966	2,549,299	81,537,284	157,328,796
100 " 199 ".....	52	7,126	26,328,521	3,947,312	78,849,020	171,159,758
200 " 499 ".....	32	9,548	37,782,879	6,886,390	80,918,853	191,111,922
500 " 999 ".....	14	10,098	40,938,688	10,592,481	89,819,235	222,117,686
1,000 " 1,499 ".....	3	—	—	—	—	—
1,500 and over.....	1	6,605	25,550,664	9,378,151	73,370,438	134,708,473
Head Offices ¹	—	2,252	12,496,889	—	—	—
Totals	1,131	52,821	200,742,647	36,638,937	527,564,227	1,111,233,404

See footnotes at the end of table.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment 1956 — Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Miscellaneous manufacturing industries:						
Under 5 employees	638	1,288	3,351,652	273,181	4,365,177	10,178,594
5 to 14 employees	458	3,825	10,796,969	670,222	12,713,571	31,341,487
15 " 49 "	309	8,099	22,724,834	1,025,542	40,325,963	83,329,176
50 " 99 "	84	5,725	15,191,452	587,686	28,057,808	57,710,842
100 " 199 "	46	5,997	18,037,530	737,748	25,011,731	59,746,391
200 " 499 "	16	4,692	15,202,076	478,066	17,512,781	42,469,163
500 " 999 "	4	3,615	14,259,537	337,099	10,882,691	41,804,360
1,000 " 1,499 "	1					
Head Offices ¹	—	191	784,430	—	—	—
Totals	1,556	33,432	100,348,480	4,109,544	138,869,722	326,580,013

¹ Under this heading are included only those head offices that are not located at the plant.

² Consists of the industry "Publishing (only) of Periodicals".

Size of Establishment in Leading Industries.— Table 53 summarizes the degree of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of motor vehicles, non-ferrous metal smelting and refining, railway rolling-stock, cotton yarn and cloth, primary iron and steel, pulp and paper, and heavy electrical machinery; whereas

in the case of women's factory clothing, miscellaneous food preparations, furniture, butter and cheese, bread and other bakery products, fruit and vegetable preparations, sawmills and men's factory clothing, the degree of concentration is low. This concentration is analysed in detail for each of the twenty-five leading industries in the tables following.

TABLE 53. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1956.

No	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of of total shipments in the industry
1	Pulp and paper	80	63.5	95.1
2	Non-ferrous metal smelting and refining	20	87.0	98.3
3	Petroleum products	17	27.9	83.5
4	Motor vehicles	9	56.3	99.0
5	Slaughtering and meat packing	33	21.4	78.2
6	Primary iron and steel	16	32.0	91.7
7	Sawmills	23	0.3	26.5
8	Butter and cheese	19	1.4	22.0
9	Miscellaneous electrical apparatus and supplies	26	16.1	81.4
10	Rubber goods, including footwear	25	27.5	91.5
11	Aircraft and parts	17	32.7	97.4
12	Railway rolling stock	18	62.1	96.5
13	Miscellaneous food preparations	4	1.3	17.4
14	Motor vehicle parts	23	11.6	75.0
15	Machinery, industrial	33	10.0	60.0
16	Bread and other bakery products	26	1.0	31.8
17	Printing and publishing	33	4.3	69.3
18	Furniture	17	0.9	17.6
19	Sheet metal products	26	6.8	55.9
20	Clothing, men's factory	34	6.2	37.3
21	Machinery, heavy, electrical	20	27.0	82.7
22	Fruit and vegetable preparations	8	1.8	35.3
23	Telecommunication equipment	26	20.8	80.4
24	Brass and copper products	12	7.8	46.1
25	Iron castings	23	11.6	78.4

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
1. Pulp and paper mills:						
5 to 14 employees.....	2	494	1,545,634	607,657	3,053,374	7,828,895
15 " 49 ".....	14					
50 " 99 ".....	14	998	3,574,783	1,327,466	10,112,480	22,272,651
100 " 199 ".....	16	2,313	8,421,617	2,938,039	18,989,297	40,967,401
200 " 499 ".....	33	11,901	50,544,747	20,594,040	130,371,309	283,962,057
500 " 999 ".....	30	22,678	101,461,808	38,761,337	233,142,194	555,067,157
1,000 " 1,499 ".....	11	14,410	67,069,879	21,114,640	139,806,372	320,801,524
1,500 and over.....	6	10,612	47,374,377	18,162,712	89,730,416	222,542,041
Head Offices ¹	—	2,579	17,579,099	—	—	—
Totals.....	126	65,985	297,571,944	103,505,891	625,205,442	1,453,441,726
2. Non-ferrous metal smelting and refining:						
15 to 49 employees.....	1	272	1,010,332	847,639	7,101,514	23,867,249
100 " 199 ".....	2					
200 " 499 ".....	5	1,870	7,067,641	5,999,824	76,554,631	130,716,698
500 " 999 ".....	6	4,470	17,972,451	11,250,514	294,416,734	368,619,899
1,000 " 1,499 ".....	2					
1,500 and over.....	7	24,176	104,089,520	46,844,526	442,531,443	873,361,332
Totals.....	23	30,788	130,139,944	64,942,503	820,604,322	1,396,565,178
3. Petroleum products:						
Under 5 employees.....	6	14	33,215	5,533	68,706	159,269
5 to 14 employees.....	10	102	391,874	80,991	2,200,637	3,354,703
15 " 49 ".....	9	258	1,222,150	444,723	7,952,929	14,912,775
50 " 99 ".....	8	593	2,432,600	1,969,941	37,288,490	52,103,585
100 " 199 ".....	11	1,565	6,844,271	5,303,715	88,362,395	136,869,109
200 " 499 ".....	12	4,192	20,004,668	15,971,201	296,976,126	497,354,278
500 " 999 ".....	4	4,736	21,702,910	19,351,120	333,525,974	549,045,260
1,500 and over.....	1					
Head Offices ¹	—	2,465	13,709,950	—	—	—
Totals.....	61	13,925	66,341,638	43,127,224	766,375,257	1,253,798,979
4. Motor vehicles:						
15 to 49 employees.....	2	181	630,161	23,820	1,389,227	3,225,209
50 " 99 ".....	2					
100 " 199 ".....	3	455	1,922,653	36,034	2,552,413	6,826,521
200 " 499 ".....	3					
500 " 999 ".....	1	2,799	10,771,445	533,036	59,735,303	70,965,756
1,000 " 1,499 ".....	1					
1,500 and over.....	4	31,059	133,258,839	5,385,919	633,623,044	907,125,787
Head Offices ¹	—	605	3,365,125	—	—	—
Totals.....	16	35,099	149,948,223	5,978,809	697,299,987	988,143,273
5. Slaughtering and meat packing:						
Under 5 employees.....	8	25	49,244	10,406	333,425	466,800
5 to 14 employees.....	41	382	958,266	139,550	12,166,863	14,334,608
15 " 49 ".....	42	1,187	3,543,727	443,760	32,811,675	40,673,266
50 " 99 ".....	16	1,134	4,007,896	297,322	38,015,408	47,436,641
100 " 199 ".....	14	2,102	7,283,794	642,818	63,390,771	80,947,404
200 " 499 ".....	21	6,815	24,939,439	1,377,977	188,765,854	233,792,690
500 " 999 ".....	8	6,317	23,253,481	942,746	144,016,463	184,762,569
1,000 " 1,499 ".....	3					
1,500 and over.....	1	6,705	26,436,038	1,740,004	188,493,065	242,474,706
Totals.....	154	24,667	90,471,885	5,594,583	667,993,524	844,888,684
6. Primary iron and steel:						
5 to 14 employees.....	3	160	618,729	66,083	594,806	1,938,063
15 " 49 ".....	5					
50 " 99 ".....	10	677	2,718,159	373,538	8,947,823	11,730,416
100 " 199 ".....	16	2,360	9,377,837	1,886,204	19,218,341	42,711,545
200 " 499 ".....	6	1,958	8,320,507	1,071,033	9,986,366	35,793,272
500 " 999 ".....	3	4,477	18,102,887	6,103,214	36,798,837	80,581,852
1,000 " 1,499 ".....	2					
1,500 and over.....	5	26,395	123,643,999	28,811,879	225,752,409	508,105,322
Head Offices ¹	—	16	98,749	—	—	—
Totals.....	50	36,043	162,880,867	38,311,951	301,298,582	680,860,470

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
7. Sawmills:						
Under 5 employees.....	4,494	8,946	9,125,778	974,424	25,206,478	46,847,583
5 to 14 employees.....	1,456	11,535	24,622,884	2,340,017	62,862,772	114,447,591
15 " 49 ".....	533	13,294	36,950,275	2,816,306	86,205,833	158,062,280
50 " 99 ".....	81	5,591	17,559,217	890,255	36,852,579	70,328,238
100 " 199 ".....	42	5,724	18,961,500	941,824	42,693,175	80,199,316
200 " 499 ".....	14	4,559	16,752,597	321,018	33,874,558	63,085,989
500 " 999 ".....	9	6,684	25,428,331	673,984	63,050,333	106,443,363
Head Offices ¹	—	745	4,408,022	—	—	—
Totals	6,629	57,078	153,809,204	8,957,828	350,745,728	639,414,360
8. Butter and cheese:						
Under 5 employees.....	753	1,956	3,469,136	936,560	62,215,309	69,378,550
5 to 14 employees.....	387	2,979	7,079,597	1,761,359	78,475,350	93,682,595
15 " 49 ".....	155	4,035	10,888,990	2,427,115	71,837,993	95,183,093
50 " 99 ".....	37	2,596	7,578,785	998,577	25,377,092	40,397,664
100 " 199 ".....	18	2,366	7,794,382	801,339	24,504,403	37,921,136
200 " 499 ".....	16	4,489	15,789,311	1,328,748	44,076,652	71,337,891
500 " 999 ".....	3	1,714	5,830,682	505,123	13,475,840	23,354,333
Totals	1,369	20,135	58,430,883	8,758,821	319,962,639	431,255,262
9. Miscellaneous electrical apparatus and supplies:						
Under 5 employees.....	20	42	88,284	5,385	203,914	367,630
5 to 14 employees.....	33	281	887,441	36,007	1,963,848	3,544,341
15 " 49 ".....	51	1,536	4,792,697	231,607	16,097,615	26,499,842
50 " 99 ".....	16	1,080	3,472,734	171,250	9,673,214	15,588,284
100 " 199 ".....	15	1,973	6,374,354	212,645	13,592,656	27,015,539
200 " 499 ".....	17	5,482	20,064,067	878,248	60,283,930	107,346,170
500 " 999 ".....	5	4,096	13,577,562	697,280	23,370,870	49,143,096
1,000 " 1,499 ".....	1	—	—	—	—	—
1,500 and over.....	3	11,919	49,896,217	1,046,840	80,242,641	164,057,047
Head Offices ¹	—	92	486,058	—	—	—
Totals	161	26,501	99,639,414	3,279,262	205,428,688	393,561,949
10. Rubber goods including footwear:						
Under 5 employees.....	15	33	65,191	4,163	117,293	237,810
5 to 14 employees.....	15	115	337,016	27,929	529,636	1,172,331
15 " 49 ".....	19	535	1,577,120	125,421	4,836,715	8,271,496
50 " 99 ".....	9	627	1,901,430	191,905	3,168,475	7,624,447
100 " 199 ".....	8	1,010	2,991,576	226,724	6,583,944	12,785,348
200 " 499 ".....	8	2,588	8,431,691	618,885	16,212,986	33,236,096
500 " 999 ".....	9	6,138	20,537,033	1,047,106	30,215,335	72,610,396
1,000 " 1,499 ".....	6	—	—	—	—	—
1,500 and over.....	2	12,090	46,313,832	2,642,037	99,022,202	219,645,891
Totals	91	23,136	82,154,889	4,884,170	160,686,586	355,583,815
11. Aircraft and parts:						
5 to 14 employees.....	9	90	335,793	15,463	115,115	685,271
15 " 49 ".....	20	514	1,970,298	59,880	1,206,565	4,058,370
50 " 99 ".....	4	—	—	—	—	—
100 " 199 ".....	2	557	2,277,010	47,300	1,284,427	4,446,329
200 " 499 ".....	6	1,735	6,888,293	309,154	7,536,545	18,166,051
500 " 999 ".....	5	—	—	—	—	—
1,000 " 1,499 ".....	1	4,752	17,158,607	408,626	13,482,821	34,892,207
1,500 and over.....	5	27,915	117,798,013	3,244,123	114,530,381	292,261,857
Totals	52	35,563	146,428,014	4,084,546	138,155,854	354,510,085
12. Railway rolling stock:						
5 to 14 employees.....	1	—	—	—	—	—
15 " 49 ".....	3	220	750,230	26,085	3,112,732	4,940,908
50 " 99 ".....	2	—	—	—	—	—
100 " 199 ".....	5	—	—	—	—	—
200 " 499 ".....	1	1,045	3,765,077	298,794	7,677,107	15,049,978
500 " 999 ".....	6	4,777	16,480,788	624,116	30,658,969	54,115,209
1,000 " 1,499 ".....	6	7,046	27,308,350	1,374,009	93,129,408	141,935,007
1,500 and over.....	5	15,030	52,424,726	2,071,123	72,449,864	129,475,104
Totals	29	28,118	100,729,171	4,394,127	207,028,080	345,516,206

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956 — Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number					
13. Miscellaneous food preparations:						
Under 5 employees	91	223	474,087	67,125	2,345,354	3,500,889
5 to 14 employees	83	737	1,927,150	239,510	16,021,985	21,295,878
15 " 49 "	72	1,986	5,637,655	554,874	41,784,573	58,051,253
50 " 99 "	35	2,510	7,855,166	1,360,316	67,095,523	97,994,387
100 " 199 "	16	2,380	7,065,206	399,655	66,350,160	95,749,298
200 " 499 "	3	1,376	5,011,127	950,713	35,926,397	58,076,361
500 " 999 "	1					
Head Offices*	—	466	2,490,212	—	—	—
Totals	301	9,678	30,460,603	3,572,193	229,523,992	334,668,066
14. Motor vehicle parts:						
Under 5 employees	39	100	266,665	18,272	1,191,983	2,266,054
5 to 14 employees	42	384	1,174,550	63,813	1,714,360	3,774,464
15 " 49 "	57	1,611	5,390,843	274,812	10,097,263	19,400,902
50 " 99 "	20	1,395	4,843,280	192,166	9,902,143	19,928,871
100 " 199 "	17	2,306	7,721,110	417,467	21,325,522	36,946,023
200 " 499 "	16	5,164	20,046,428	1,023,671	43,683,769	83,311,482
500 " 999 "	4	3,276	13,901,196	572,452	39,053,111	63,050,235
1,000 " 1,499 "	2					
1,500 and over	1	7,138	28,562,437	2,044,438	50,616,772	100,847,089
Head Offices*	—	97	455,348	—	—	—
Totals	198	21,471	82,361,857	4,607,091	177,584,923	329,525,120
15. Machinery, industrial:						
Under 5 employees	46	111	283,708	18,349	961,847	1,704,137
5 to 14 employees	82	773	2,768,008	149,971	5,553,653	11,039,411
15 " 59 "	94	2,588	9,115,621	366,759	12,097,858	28,011,319
50 " 99 "	44	3,372	12,989,615	361,169	20,304,069	42,304,018
100 " 199 "	30	4,096	15,426,266	469,242	25,134,541	48,856,185
200 " 499 "	24	7,682	30,523,603	711,488	34,292,707	89,709,484
500 " 999 "	8					
1,500 and over	1	7,944	31,726,774	1,087,628	44,432,098	107,822,673
Head Offices*	—	9	50,517	—	—	—
Totals	329	26,575	102,884,112	3,164,606	142,776,773	329,447,227
16. Bread and other bakery products:						
Under 5 employees	1,397	3,507	5,959,123	1,149,762	11,746,696	23,378,165
5 to 14 employees	874	6,796	14,000,077	1,913,455	23,100,405	46,404,830
15 " 49 "	228	5,811	14,460,901	1,758,749	23,417,120	48,373,864
50 " 99 "	66	4,618	13,150,148	1,465,566	21,083,976	44,476,334
100 " 199 "	33	4,448	13,956,408	1,386,912	21,741,336	46,598,691
200 " 499 "	19	5,983	18,547,387	1,793,166	26,748,268	57,614,300
500 " 999 "	7	4,293	13,684,984	1,288,044	18,087,999	39,959,114
Totals	2,624	35,456	93,759,028	10,755,654	145,925,800	306,805,298
17. Printing and publishing:						
Under 5 employees	285	679	1,584,683	113,414	694,746	3,303,974
5 to 14 employees	260	2,206	6,020,253	248,448	2,347,216	11,754,300
15 " 49 "	114	2,810	8,286,771	273,049	3,716,673	17,811,408
50 " 99 "	49	3,651	12,196,218	341,435	5,879,666	29,466,108
100 " 199 "	27	3,452	12,370,564	326,965	7,157,659	31,262,461
200 " 499 "	22	7,047	26,284,470	494,527	20,904,180	76,895,612
500 " 999 "	7	4,905	21,255,094	310,288	18,221,356	60,858,117
1,000 " 1,499 "	2					
1,500 and over	2	6,108	27,824,488	488,641	25,067,068	73,974,605
Head Offices*	—	49	203,312	—	—	—
Totals	768	30,907	116,025,853	2,596,767	83,988,564	305,326,585
18. Furniture:						
Under 5 employees	1,015	1,980	4,258,996	332,007	5,802,391	12,677,149
5 to 14 employees	419	3,394	8,813,056	446,435	13,482,773	26,597,043
15 " 49 "	286	7,722	21,872,629	815,097	39,336,326	73,762,292
50 " 99 "	103	7,141	20,810,935	778,460	35,707,010	69,667,041
100 " 199 "	50	6,698	19,829,770	643,233	31,133,143	62,544,705
200 " 499 "	16					
500 " 999 "	1	5,789	17,883,365	429,833	22,553,629	52,306,174
Totals	1,890	32,724	93,468,751	3,445,065	148,015,272	297,554,404

* Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956 — Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
19. Sheet metal products:						
Under 5 employees	71	221	548,902	39,464	1,323,817	2,574,537
5 to 14 employees	103	897	2,567,450	140,974	5,573,386	11,215,357
15 " 49 " "	128	3,428	11,498,312	519,152	24,942,363	48,085,051
50 " 99 " "	33	2,276	7,560,264	312,524	15,967,993	29,391,386
100 " 199 " "	20	2,705	9,315,769	508,336	21,436,969	39,215,304
200 " 499 " "	19	5,776	23,369,120	931,661	60,803,125	106,577,978
500 " 999 " "	7	4,709	18,885,670	720,190	32,699,416	58,983,515
Totals	381	20,012	73,745,487	3,172,301	162,747,069	296,043,128
20. Clothing, men's factory:						
Under 5 employees	80	194	509,454	16,531	5,068,737	6,668,799
5 to 14 employees	119	1,023	2,734,633	61,026	15,589,971	21,741,284
15 " 49 " "	194	5,304	12,331,428	213,601	31,312,985	51,569,277
50 " 99 " "	74	4,942	10,079,531	183,946	22,678,920	38,756,958
100 " 199 " "	50	6,856	14,926,826	210,132	29,196,308	51,812,505
200 " 499 " "	27	8,240	19,921,609	231,188	31,908,085	61,865,093
500 " 999 " "	6	5,199	13,407,192	120,518	19,670,646	39,731,999
1,000 " 1,499 " "	1	293	1,261,270	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	551	32,041	75,171,943	1,036,942	155,425,652	272,145,915
21. Machinery, heavy, electrical:						
Under 5 employees	2	116	330,908	18,306	697,340	1,527,797
5 to 14 employees	13	312	918,449	37,512	4,109,701	6,483,579
15 " 49 " "	11	1,185	3,984,441	131,977	6,681,910	14,334,431
50 " 99 " "	17	1,433	5,344,094	141,350	11,266,146	22,900,326
100 " 199 " "	11	2,762	10,829,488	218,614	15,850,671	33,648,284
200 " 499 " "	9	17,516	72,381,571	1,877,107	77,468,580	182,937,791
500 " 999 " "	9	2	—	—	—	—
1,500 and over	2	312	1,941,021	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	74	23,636	95,729,972	2,424,866	116,074,348	261,832,208
22. Fruit and vegetable preparations:						
Under 5 employees	103	203	302,145	41,384	1,474,554	2,294,053
5 to 14 employees	108	934	1,655,635	192,846	5,789,765	9,650,937
15 " 49 " "	150	4,183	8,225,458	829,362	33,837,563	53,185,174
50 " 99 " "	50	3,376	6,720,242	669,539	24,733,562	42,827,895
100 " 199 " "	27	3,661	8,343,965	720,008	34,207,070	53,598,545
200 " 499 " "	6	4,065	13,494,593	868,728	50,457,101	88,326,943
500 " 999 " "	2	328	1,227,000	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	446	16,750	39,969,038	3,321,867	150,499,615	249,883,547
23. Telecommunication equipment:						
Under 5 employees	14	34	88,465	8,671	273,675	437,009
5 to 14 employees	24	222	668,353	17,131	1,197,471	2,254,149
15 " 49 " "	32	896	2,613,724	78,276	5,173,178	9,245,934
50 " 99 " "	21	1,428	4,063,464	105,852	7,180,441	15,977,327
100 " 199 " "	8	1,265	4,017,742	54,138	13,171,885	20,132,032
200 " 499 " "	16	4,728	15,357,476	332,824	41,184,099	64,685,063
500 " 999 " "	4	2,800	9,089,801	156,273	23,969,415	42,477,358
1,000 " 1,499 " "	3	3,575	13,999,356	228,060	19,215,300	39,863,232
1,500 and over	3	6,403	22,393,796	288,411	23,816,992	49,690,830
Head Offices ¹	—	52	276,740	—	—	—
Totals	125	21,403	72,568,917	1,269,636	135,182,456	244,762,934
24. Brass and copper products:						
Under 5 employees	36	81	183,769	17,898	279,423	550,702
5 to 14 employees	48	429	1,304,977	92,540	3,160,107	5,450,121
15 " 49 " "	38	1,010	3,511,067	392,545	43,792,249	52,005,569
50 " 99 " "	14	989	3,436,327	228,004	11,624,551	17,990,508
100 " 199 " "	6	856	3,308,882	257,157	48,316,212	55,599,110
200 " 499 " "	7	1,963	7,413,209	296,959	7,170,960	22,252,184
500 " 999 " "	4	3,881	15,497,304	1,120,010	59,258,163	90,247,922
1,000 " 1,499 " "	1	11	73,826	—	—	—
Head Offices ¹	—	—	—	—	—	—
Totals	154	9,220	34,729,361	2,405,113	173,601,665	244,096,116

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1956 — Concluded

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
25. Iron castings:						
Under 5 employees.....	31	70	132,811	12,920	209,543	566,165
5 to 14 employees.....	40	364	1,054,845	64,643	1,090,348	2,770,402
15 " 49 ".....	71	2,228	7,184,552	362,756	9,373,108	23,173,060
50 " 99 ".....	30	2,189	7,845,604	314,511	7,869,869	21,211,837
100 " 199 ".....	4	459	1,849,539	91,723	2,498,411	4,932,355
200 " 499 ".....	14	4,146	16,071,717	1,117,028	32,248,636	61,307,127
500 " 999 ".....	6	7,774	31,798,785	2,220,441	70,101,807	130,067,641
1,000 " 1,499 ".....	3					
Head Offices ¹	—	131	877,803	—	—	—
Totals	199	17,361	66,815,656	4,184,022	123,391,722	244,028,587

¹ Under this heading are included only those head offices that are not located at the plant.

Subsection 7. Fuel and Power Consumption

Cost of fuel and Electricity.— Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 55. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed, as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of purchased fuel consumed increased 484 p.c. from 1939 to 1956. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. The cost of electricity purchased, on the other hand, has increased during the same period by 277 p.c. The groups of industries in which fuel was most extensively used in 1956 were: paper products, products of petroleum and coal, foods and beverages, iron and steel products, non-metallic mineral products, non-ferrous metal products and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1956, 63.6 p.c. was for fuel and 36.4 for electricity. Percentage wise, Nova Scotia with 77.0 p.c. of the Provincial total was the largest user of fuel, while Quebec with 55.4 p.c. was the smallest. Provinces lacking in water power resources naturally have to rely on fuel for power, and for this reason the percentage that fuel is to the total is much higher than in Provinces such as Quebec where there is an abundant supply of water for power purposes. In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Power Consumption.— Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in cost and values in the same manner as capital investments, values of products,

etc. Of course, power equipment installed is not a measure of the actual utilization of power for there is generally an excess over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant. In times of depression this margin increases. During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked.

Of the total increase in power equipment employed in manufacturing industries between 1939 and 1953, 75 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines—which include all gasoline engines, gas engines (natural, coal, and producer gas), and compression-ignition engines—also has increased rapidly during the period covered. During the period 1939-1953 there was an increase of 31 p.c. in the capacity of hydraulic turbines and water wheels, 56 p.c. in the capacity of steam engines and steam turbines, 115 p.c. in the capacity of electric motors, while internal combustion engines increased more than fivefold. The collection of statistics on power equipment was discontinued in 1949, but was collected again for 1953.

Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 46.5 billion K.W.H. in 1956, an increase of 140 p.c. as compared with 1939. Of the total consumed Quebec used 49.6 p.c., Ontario 27.4 p.c., British Columbia 13.9 p.c., Newfoundland 2.1 p.c., New Brunswick and Manitoba 1.9 p.c., and Alberta 1.4 p.c.

The non-ferrous metal products group with 33.1 p.c. of the total was the largest user of electric power in 1956. Prior to this, the paper products group held the premier position in this respect. Although non-ferrous metal products had a small edge on the consumption of electric power, the paper products group still is the largest user of purchased fuel and electricity. The paper products group was the second largest user of power in 1956 with 32.9 p.c. of the total, followed by products of petroleum and coal with 9.6 p.c., iron and steel products 7.2 p.c., non-metallic mineral products 4.5 p.c., and foods and beverages 2.7 p.c.

Table 55 gives details of purchased fuel and electricity as well as the K.W.H. consumption by industrial groups and provinces. Table 56 gives details of power equipment and Tables 57 and 58 give details of fuel consumption for selected years from 1926 to 1955.

TABLE 55. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939 - 55 with Details by Provinces and Industrial Groups, 1956

Note: Includes fuel and electricity used in smelters for metallurgical purposes

Year, province or group	Value of purchased fuel	Value of purchased electricity	Total	Consumption of electric power		
				Purchased	Generated for own use	Total
		dollars		M kwh.		
1939	57,063,131	50,509,121	107,572,252	17,072,764	2,357,669	19,430,433
1940	78,550,913	58,429,262	136,980,175	17,954,995	2,640,918	20,595,913
1941	102,886,816	71,754,501	174,641,317	20,289,238	2,840,841	23,130,079
1942	121,512,643	85,205,846	206,718,489	23,650,840	3,345,443	26,996,283
1943	134,004,345	91,950,030	225,954,375	26,399,730	3,211,610	29,611,340
1944	137,883,770	87,699,383	225,583,153	25,777,238	2,752,124	28,529,362
1945	128,384,255	83,999,865	212,384,120	23,986,993	2,362,260	26,349,253
1946	127,179,620	83,273,105	210,452,725	25,250,876	2,714,261	27,965,137
1947	163,813,503	90,876,176	254,689,679	26,728,239	3,467,535	30,195,774
1948	209,063,839	94,475,355	303,539,194	24,907,413	4,590,676	29,498,089
1949	208,776,571	97,019,231	305,795,802	25,067,855	5,898,390	30,966,245
1950	229,993,079	106,940,541	336,933,620	27,482,129	6,266,050	33,748,179
1951	252,573,952	124,140,044	376,713,996	31,243,249	6,369,094	37,612,343
1952	257,443,536	135,537,806	392,981,342	32,418,626	6,450,729	38,869,355
1953	259,212,493	152,576,328	411,788,821	34,226,135	6,901,443	41,127,578
1954	265,242,482	159,189,746	424,432,228	36,362,316 ¹	6,072,634 ¹	42,434,950
1955	282,828,016	174,961,454	457,789,470	38,812,010 ¹	6,001,563 ¹	44,813,573
Provinces, 1956						
Newfoundland	4,058,349	2,918,565	6,977,414	652,389	313,793	966,182
Prince Edward Island	260,366	141,062	401,428	5,561	—	5,561
Nova Scotia	10,267,995	3,078,326	13,346,321	366,703	46,215	412,918
New Brunswick	10,750,527	3,500,132	14,250,659	441,113	445,469	886,582
Quebec	100,292,933	80,757,422	181,050,355	21,646,135	1,475,970	23,122,105
Ontario	156,278,993	73,076,953	229,355,946	10,805,540	1,973,605	12,779,145
Manitoba	8,880,803	4,621,476	13,502,279	889,866	8,567	898,433
Saskatchewan	5,766,593	2,469,899	8,236,492	412,822	2,640	415,462
Alberta	9,252,328	4,762,183	14,014,511	553,666	85,681	639,347
British Columbia	27,320,720	15,296,021	42,616,741	4,477,575	2,019,782	6,497,357
Yukon and Northwest Territories	174,521	14,039	188,560	502	919	1,421
Canada	333,304,628	190,636,078	523,940,706	40,251,872 ¹	6,372,641 ¹	46,624,513
Industrial groups, 1956						
Foods and beverages	43,952,991	14,578,452	58,531,443	1,194,200	82,784	1,276,984
Tobacco and tobacco products	473,039	282,544	755,583	23,570	—	23,570
Rubber products	2,375,724	2,508,446	4,884,170	319,804	8,306	328,110
Leather products	1,390,664	906,859	2,297,523	53,380	—	53,380
Textiles	9,124,258	5,885,274	15,009,532	749,834	91,980	841,814
Knitting mills	1,267,876	645,351	1,913,227	41,675	3,444	45,119
Clothing	1,582,473	1,635,569	3,218,042	77,307	—	77,307
Wood products	11,838,682	8,430,703	20,269,385	555,075	184,731	739,806
Paper products	64,392,949	43,094,860	107,487,809	10,821,160	4,535,561	15,356,721
Printing, publishing and allied industries	2,850,724	2,677,913	5,528,637	163,759	—	163,759
Iron and steel products	41,781,665	23,558,318	65,339,983	3,339,021	261	3,339,282
Transportation equipment	13,607,350	7,738,726	21,346,076	797,143	66,931	864,074
Non-ferrous metal products	33,263,028	37,524,007	70,787,035	14,290,439	1,121,430	15,411,869
Electrical apparatus and supplies	4,627,661	4,536,606	9,164,267	502,939	16,254	519,193
Non-metallic mineral products	34,105,612	12,193,638	46,299,250	2,104,320	14,857	2,119,177
Products of petroleum and coal	44,589,556	5,770,707	50,360,263	836,275	894	837,169
Chemicals and allied products	19,855,806	16,783,131	36,638,937	4,236,506	245,208	4,481,714
Miscellaneous industries	2,224,570	1,884,974	4,109,544	145,465	—	145,465

¹ Since 1954 electricity previously reported as "Generated for own use" in the Fertilizer Industry in British Columbia, has been treated as "Electricity purchased". — Of the total "Generated for own use and for sale", approximately 1,905,000 M. kwh. were generated by thermal plant and 4,790,000 M. kwh. by hydro-electric plant.

**TABLE 56. Power Equipment Installed in the Manufacturing Industries of Canada, 1926-48,
with Details by Provinces and Industrial Groups, 1953**

Year and province or group	Steam engines and turbines	Internal combustion engines	Hydraulic turbines and water wheels	Total	Electric motors operated by purchased power	Total power equipment	Electric motors operated by power generated by establishments reporting	Total electric motors
	horse-power							
Totals, 1926	698,343	56,068	603,618	1,358,029	1,764,348	3,122,377	391,708	2,156,056
1929	762,697	60,841	845,270	1,468,808	2,386,840	3,255,648	495,921	2,882,761
1933	738,297	76,583	657,683	1,472,563	2,662,445	4,135,008	497,392	3,159,837
1937	834,703	98,233	649,557	1,582,493	3,129,790	4,712,283	602,955	3,732,745
1939	827,801	121,997	731,390	1,681,188	3,364,099	5,045,287	694,450	4,058,549
1944	1,013,615	288,312	729,216	2,031,143	4,437,296	6,468,439	779,717	5,217,013
1946	1,032,639	368,458	732,859	2,133,956	4,649,993	6,783,949	820,371	5,470,364
1948	1,076,411	544,888	1,150,308	2,771,607	5,387,807	8,159,414	931,312	6,319,119
Province, 1953								
Newfoundland	16,015	14,468	235,935	266,418	15,557	281,975	225,504	241,061
Prince Edward Island	651	3,323	632	4,606	3,034	7,640	—	3,034
Nova Scotia	58,880	38,590	13,100	110,570	144,638	255,208	82,711	227,349
New Brunswick	96,125	26,070	14,030	136,225	186,253	322,478	88,556	274,809
Quebec	233,411	111,508	253,880	598,799	2,887,658	3,486,457	173,419	3,061,077
Ontario	554,856	168,009	316,958	1,039,823	3,108,826	4,148,649	423,112	3,531,938
Manitoba	10,675	14,907	28	25,610	207,057	232,667	6,219	213,276
Saskatchewan	17,168	30,355	—	47,523	65,845	113,368	1,997	67,842
Alberta	67,015	94,608	—	161,623	176,037	337,660	23,620	199,657
British Columbia	236,959	238,120	127,065	602,144	606,857	1,209,001	278,403	885,260
Yukon and Northwest Territories	—	2,354	—	2,354	246	2,600	—	246
Totals	1,291,755 ¹	742,312	961,628	2,995,695	7,402,008	10,397,703	1,303,541	8,705,549
Industrial group, 1953								
Foods and beverages	76,515	53,946	22,074	152,535	623,669	776,404	50,343	674,212
Tobacco and tobacco products	466	375	—	841	10,345	11,186	—	10,345
Rubber products	6,038	182	1,500	7,720	134,452	142,172	270	134,722
Leather products	1,770	193	150	2,113	41,667	43,780	370	42,037
Textiles (except clothing)	29,814	7,099	16,311	53,224	311,147	364,371	16,932	328,079
Knitting mills	2,936	462	1,790	5,188	60,587	65,775	204	60,791
Clothing, (textile and fur)	643	235	—	878	25,693	26,571	—	25,693
Wood products	257,627	522,452	31,836	811,915	441,268	1,253,183	94,301	535,569
Paper products	361,680	7,412	872,557	1,241,649	2,331,436	3,573,085	926,613	3,258,049
Printing, publishing and allied industries	619	1,043	—	1,662	78,320	79,982	—	78,320
Iron and steel products	178,364	47,651	263	226,278	1,049,778	1,276,056	72,149	1,121,927
Transportation equipment	124,320	10,461	127	134,908	460,305	595,213	55,633	515,938
Non-ferrous metal products	20,570	358	—	20,928	670,914	691,842	6,195	677,109
Electrical apparatus and supplies	8,372	6,646	3,975	18,993	240,343	259,336	—	240,343
Non-metallic mineral products	12,003	46,333	716	59,052	287,661	346,713	5,789	293,450
Products of petroleum and coal	116,324	22,971	6	139,301	158,884	298,185	14,260	173,144
Chemicals and allied products	89,754	14,035	10,323	114,112	417,095	531,207	59,082	476,177
Miscellaneous industries	3,940	458	—	4,398	58,244	62,642	1,400	59,644

¹ Includes "steam engines" 365,992 hp. and "steam turbines" 925,763 hp.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1953 and by Province and Industrial Group, 1956

No.	Year, province or group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		dollars						
1	1926 ⁴	34,500,291		²	2,173,178	533,928	4,157,935	692,404
2	1929 ⁴	15,832,290	21,754,377	²	1,844,736	707,058	2,332,823	430,258
3	1933 ⁴	7,571,912	10,770,107	²	1,033,154	522,626	1,574,426	254,510
4	1937 ⁵	15,648,467	16,255,262	²	1,253,376	759,600	5,169,524	799,060
5	1939	15,744,444	13,386,496	²	1,151,278	740,593	4,870,875	1,208,131
6	1944	19,785,479	55,667,410	²	2,231,277	1,522,417	7,909,168	7,278,337
7	1946	17,633,047	48,211,575	425,020	1,812,744	1,442,277	6,884,833	8,425,418
8	1948	28,160,528	73,315,170	440,737	2,274,727	1,598,940	9,575,838	13,442,363
9	1953 ⁶	34,503,085	68,523,205	615,660	2,629,506	2,241,781	9,622,024	22,892,625
	Provinces							
10	Newfoundland ⁶	81,983	⁷	—	12,123	—	9,949	250,480
11	Prince Edward Island	39,926	5,467	—	6,165	—	⁷	77,619
12	Nova Scotia	2,087,624	29,288	—	14,335	⁷	347,748	990,210
13	New Brunswick	6,790,128	65,715	—	8,535	—	9,683	886,688
14	Quebec	22,837,429	11,031,948	25,937	1,302,867	⁷	2,858,078	9,485,260
15	Ontario	5,813,601	54,115,277	227,920	1,354,218	1,191,861	6,132,597	15,625,598
16	Manitoba	1,470,870	254,380	132,204	7,940	859,329	376,812	1,336,893
17	Saskatchewan	1,515,730	⁷	52,192	⁷	88,832	2,996	590,729
18	Alberta	18,121	⁷	149,171	⁷	—	172,003	1,708,687
19	British Columbia	2,535,992	17,561	167,906	14,977	⁷	2,542,643	4,612,120
20	Yukon and Northwest Territories	—	—	—	—	—	—	13,200
21	Totals—1956 ⁶	43,191,404	65,520,769	755,330	2,721,907	2,140,733	12,452,676	35,577,464
	Industrial groups							
22	Foods and beverages	2,754,748	6,312,081	372,312	428,678	433,898	221,109	15,064,541
23	Tobacco and tobacco products	63,180	116,484	—	⁷	—	—	36,443
24	Rubber products	131,447	1,655,080	—	2,256	—	—	80,450
25	Leather products	151,940	658,557	3,489	33,751	13,787	3,751	147,233
26	Textiles	2,192,368	3,237,887	17,090	81,702	3,729	5,693	340,096
27	Knitting mills	197,991	440,136	—	21,415	—	—	169,548
28	Clothing	49,103	140,666	5,251	24,722	6,819	2,438	583,508
29	Wood products	336,776	550,264	45,706	57,530	18,677	44,379	7,000,475
30	Paper products	19,286,530	19,454,168	192,840	50,145	1,338,654	⁷	885,084
31	Printing publishing and allied industries	134,565	106,140	6,811	27,696	4,782	20,251	1,079,136
32	Iron and steel products	1,854,186	2,665,572	12,685	665,385	28,194	638,429	2,573,601
33	Transportation equipment	1,055,044	4,132,005	⁷	107,470	191,955	185,645	1,232,193
34	Non-ferrous metal products	5,717,085	6,989,256	⁷	932,654	⁷	6,846,619	504,874
35	Electrical apparatus and supplies	89,658	971,108	⁷	99,024	6,142	73,633	363,137
36	Non-metallic mineral products	7,780,897	8,911,017	91,891	26,495	62,311	626,268	3,701,152
37	Products of petroleum and coal	73,509	134,545	—	11,142	4,657	3,747,575	281,887
38	Chemicals and allied products	1,244,357	8,663,402	992	109,331	15,825	30,358	784,157
39	Miscellaneous industries	78,020	382,401	4,978	42,221	11,242	5,459	749,949

¹ Exclusive of the Butter and Cheese industry in the province of Quebec in 1953.

² Not collected.

³ Includes manufactured and natural.

⁴ For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable with current data.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1953 and by Province and Industrial Group, 1956

Kerosene	Fuel oil	Wood	Gas			Other fuel	Total cost of fuel	Electricity		No.
			Liquified petroleum	Other manufactured	Natural			Purchased ¹	Generated for sale ¹	
dollars										
²	7, 102, 676	2, 533, 424	—	4, 182, 186 ³		804, 478	56, 680, 500	26, 235, 597	²	1
51, 743	7, 874, 831	2, 604, 803	—	5, 218, 678	905, 039	809, 305	60, 365, 941	37, 775, 877	904, 791	2
39, 870	4, 566, 630	1, 635, 716	—	4, 097, 925	729, 385	727, 081	33, 523, 342	33, 092, 334	36, 393	3
52, 438	8, 580, 369	1, 636, 098	—	6, 148, 643	1, 256, 276	2, 015, 923	59, 575, 036	50, 032, 810	288, 842	4
59, 635	8, 560, 418	1, 562, 119	—	6, 506, 782	1, 385, 110	1, 887, 250	57, 063, 131	50, 509, 121	405, 690	5
216, 651	21, 822, 975	2, 340, 460	—	13, 779, 303	3, 110, 803	2, 219, 490	137, 883, 770	87, 699, 383	1, 219, 086	6
213, 947	23, 872, 464	2, 189, 271	—	12, 086, 381	1, 881, 984	2, 100, 659	127, 179, 620	83, 273, 105	1, 589, 447	7
635, 233	50, 987, 211	1, 991, 384	—	20, 507, 352	2, 080, 617	4, 053, 739	209, 063, 839	94, 475, 355	887, 402	8
1, 075, 536	77, 034, 810	1, 368, 106	1, 585, 671	27, 642, 079	4, 671, 710	4, 806, 695	259, 212, 493	152, 576, 328	2, 486, 054	9
6, 239	3, 662, 851	4, 467	2, 409	400	—	27, 584	4, 058, 849	2, 918, 565	180, 118	10
212	122, 958	4, 899	2, 575	—	—	378	260, 366	141, 062	400	11
9, 998	4, 418, 743	21, 166	31, 068	2, 241, 257	⁷	71, 986	10, 267, 995	3, 078, 326	16, 264	12
7, 249	2, 825, 082	110, 599	18, 359	215	3, 348	24, 926	10, 750, 527	3, 500, 132	394, 939	13
988, 809	40, 651, 317	543, 397	873, 024	6, 857, 502	152, 424	2, 682, 771	100, 292, 933	80, 757, 422	393, 463	14
227, 506	42, 383, 374	313, 550	1, 214, 045	18, 080, 546	4, 249, 870	5, 349, 030	156, 278, 993	73, 076, 953	1, 043, 012	15
8, 055	3, 378, 987	27, 584	56, 968	825, 588	25, 461	122, 249	8, 880, 803	4, 621, 476	—	16
10, 409	1, 882, 986	6, 265	52, 320	1, 060, 457	223, 876	276, 283	5, 766, 593	2, 469, 899	—	17
6, 819	598, 268	2, 826	133, 236	1, 487, 756	4, 853, 224	122, 022	9, 252, 328	4, 762, 183	334	18
39, 228	13, 416, 315	48, 693	131, 892	2, 068, 386	162, 301	1, 562, 478	27, 320, 720	15, 296, 021	330, 347	19
—	126, 258	⁷	264	31, 115	1, 134	2, 350	174, 521	14, 039	41, 427	20
1, 304, 524	113, 467, 139	1, 083, 646	2, 516, 160	32, 653, 222	9, 675, 877	10, 242, 057	333, 304, 628	190, 636, 078	2, 400, 304	21
101, 014	13, 212, 277	455, 024	581, 514	612, 523	1, 653, 633	1, 749, 639	43, 952, 991	14, 578, 452	20, 590	22
—	236, 292	⁷	190	2, 200	197	17, 140	473, 039	282, 544	—	23
489	455, 756	2, 500	947	30, 376	15, 423	1, 000	2, 375, 724	2, 508, 446	—	24
384	290, 871	2, 567	1, 356	14, 137	6, 503	62, 338	1, 390, 664	906, 859	—	25
30, 962	2, 686, 292	1, 293	53, 330	39, 394	62, 603	370, 099	9, 124, 258	5, 885, 274	98, 766	26
⁷	414, 379	—	2, 383	1, 282	4, 913	15, 817	1, 267, 876	645, 351	—	27
3, 802	508, 439	⁷	4, 111	23, 858	24, 312	204, 867	1, 582, 473	1, 635, 569	—	28
69, 925	3, 252, 458	133, 510	69, 845	17, 304	86, 711	155, 122	11, 838, 682	8, 430, 703	142, 041	29
896, 310	20, 270, 419	27, 427	77, 188	42, 638	73, 968	1, 796, 509	64, 392, 949	43, 094, 860	1, 654, 582	30
12, 960	1, 152, 631	349	26, 892	124, 876	150, 207	3, 428	2, 850, 724	2, 677, 913	—	31
37, 851	21, 550, 976	25, 546	236, 699	9, 872, 315	1, 235, 353	384, 873	41, 781, 665	23, 558, 318	—	32
20, 683	3, 588, 690	10, 051	325, 329	122, 154	927, 525	1, 708, 448	13, 607, 350	7, 738, 726	—	33
72, 118	11, 035, 535	39, 069	138, 922	255, 069	598, 574	132, 512	33, 263, 028	37, 524, 007	37, 036	34
2, 322	1, 937, 418	—	101, 584	361, 051	298, 523	323, 614	4, 627, 661	4, 536, 606	—	35
27, 853	10, 086, 562	339, 472	157, 564	582, 053	1, 486, 065	226, 012	34, 105, 612	12, 193, 638	334	36
5, 650	17, 770, 408	—	671, 904	18, 129, 033	1, 613, 757	2, 145, 489	44, 589, 556	5, 770, 707	41, 427	37
11, 098	4, 257, 571	35, 500	47, 701	2, 390, 173	1, 349, 014	916, 327	19, 855, 806	16, 783, 131	405, 528	38
11, 091	760, 165	10, 138	18, 701	32, 786	88, 596	28, 823	2, 224, 570	1, 884, 974	—	39

⁵ Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.⁶ Newfoundland included.⁷ Included in the total.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1953 and by Province and Industrial Group, 1956

No.	Year, Province or Group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		short ton						Imp. gal.
1	1926 ⁵	5,776,719		²	283,678	146,098	475,232	2,386,916
2	1929 ⁵	2,816,122	3,943,007	²	255,700	164,544	380,432	1,717,560
3	1933 ⁵	1,499,715	2,026,083	²	145,017	158,437	288,811	1,079,807
4	1937 ⁶	2,907,671	2,828,519	²	173,993	265,440	657,994	3,665,243
5	1939	2,893,613	2,262,378	²	167,465	238,698	596,077	5,306,656
6	1944	2,538,345	7,336,983	²	228,795	421,351	803,179	24,114,057
7	1946	2,208,110	5,794,992	70,450	179,139	394,689	691,152	27,537,378
8	1948	2,869,674	7,468,497	65,449	194,211	378,904	768,240	39,861,137
9	1953 ⁶	3,180,027	6,811,887	77,382	195,261	466,994	673,896	64,521,694
Provinces, 1956								
10	Newfoundland ⁷	4,258	⁸	—	618	—	430	543,375
11	Prince Edward Island	2,559	350	—	311	—	⁸	189,959
12	Nova Scotia	198,760	1,852	—	777	⁸	25,259	2,483,499
13	New Brunswick	641,140	4,092	—	447	—	396	2,112,924
14	Quebec	1,973,732	891,018	1,852	97,987	⁸	172,094	24,794,936
15	Ontario	528,173	5,250,266	18,046	101,829	219,934	371,063	44,375,516
16	Manitoba	131,115	18,277	20,998	522	212,784	32,515	3,655,040
17	Saskatchewan	116,038	⁸	6,597	⁸	16,245	111	1,596,563
18	Alberta	1,703	⁸	28,484	⁸	—	32,778	5,085,763
19	British Columbia	221,483	1,195	12,979	781	⁸	122,093	13,032,390
20	Yukon and Northwest Territories	—	—	—	—	—	—	45,185
21	Totals — 1956 ⁷	3,818,961	6,167,119	88,956	203,322	449,001	756,747	97,915,150
Industrial groups								
22	Foods and beverages	229,271	565,545	48,419	29,420	78,605	11,253	41,450,144
23	Tobacco and tobacco products	5,088	9,540	—	⁸	—	—	84,747
24	Rubber products	10,395	160,932	—	97	—	—	222,214
25	Leather products	11,613	63,804	314	2,945	2,621	220	363,803
26	Textile products (except clothing)	192,263	276,849	1,214	6,067	653	475	862,720
27	Knitting mills	18,104	45,285	—	1,734	—	—	378,606
28	Clothing	3,692	10,046	489	1,524	500	129	1,536,764
29	Wood products	26,182	40,860	6,091	3,267	2,434	3,087	18,833,869
30	Paper products	1,735,969	1,746,793	14,551	3,452	249,718	⁸	2,411,846
31	Printing publishing and allied industries	34,465	7,689	515	1,546	505	1,284	2,949,806
32	Iron and steel products	177,568	230,948	1,208	52,443	4,112	79,057	6,893,498
33	Transportation equipment	99,580	424,963	⁸	10,526	94,208	6,711	4,021,379
34	Non-ferrous metal products	424,475	623,751	⁸	73,376	⁸	322,142	1,380,802
35	Electrical apparatus and supplies	8,221	84,443	⁸	4,033	826	4,017	970,816
36	Non-metallic mineral products	717,446	782,190	15,744	1,790	10,779	36,554	10,134,240
37	Products of petroleum and coal	8,360	17,939	—	1,161	344	288,667	1,291,252
38	Chemicals and allied products	110,555	1,042,931	73	7,267	2,624	1,601	2,175,738
39	Miscellaneous industries	5,714	32,611	245	2,663	1,066	1,500	1,952,906

¹ Exclusive of the Butter and Cheese industry in the province of Quebec in 1953.

² Not collected.

³ Includes manufactured and natural.

⁴ Value only, available.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1953 and by Province and Industrial Group, 1956

Kerosene	Fuel oil	Wood	Gas			Electricity			No.
			Liquified petroleum	Other manufactured	Natural	Purchased ¹	Generated for own use ¹	Generated for sale ¹	
Imp. gal.		cords	Imp. gal.	M cu. ft.			kwh.		
²	110,378,654	722,098	—	40,588,854 ³		⁴	²	²	¹
227,469	150,910,662	655,975	—	41,828,619	4,558,391	⁴	1,150,974,484	53,593,323	2
239,141	115,926,083	549,712	—	23,119,514	3,118,402	9,771,514,859	1,241,399,928	2,108,460	3
334,125	167,824,977	504,261	—	59,952,258	5,802,210	17,092,769,974	2,328,675,496	48,534,697	4
437,201	195,134,885	475,320	—	71,881,777	6,112,911	17,072,764,222	2,357,668,720	76,571,743	5
1,309,144	349,495,395	408,227	—	118,057,302	12,598,361	25,777,238,678	2,752,124,500	127,214,139	6
1,244,716	376,006,524	348,440	—	95,490,776	8,744,901	25,250,876,449	2,714,261,524	166,073,767	7
3,752,703	482,218,705	309,127	—	146,548,124	9,962,480	24,907,413,154	4,590,676,828	203,779,877	8
6,099,492	834,641,849	299,468	9,840,533	73,441,492	21,516,353	34,026,135,310	6,901,443,188	349,904,956	9
19,215	41,136,144	23,253	4,558	192	—	652,388,841	313,793,000	15,377,600	10
759	736,745	478	5,221	—	—	5,561,319	—	13,300	11
43,842	49,149,985	2,639	230,094	8,178,350	⁵	366,703,323	46,214,514	2,130,427	12
31,297	27,752,078	11,839	50,979	229	6,037	441,112,582	445,468,860	43,049,140	13
12,139,070	425,705,595	103,372	8,087,709	13,269,868	202,728	21,646,135,515	1,475,970,344	66,622,629	14
1,061,872	369,895,633	36,542	6,770,151	49,519,050	6,585,048	10,805,539,678	1,973,605,004	153,117,381	15
32,137	42,198,343	2,866	350,196	1,577,920	35,301	889,866,221	8,566,992	—	16
42,293	28,367,342	627	270,475	2,492,503	1,226,308	412,821,712	2,640,433	—	17
27,992	6,332,536	288	1,196,114	4,446,864	35,875,437	553,666,389	85,680,961	41,600	18
138,780	131,179,195	6,843	588,788	4,317,726	422,139	4,477,574,678	2,019,781,722	40,345,659	19
—	2,065,423	⁶	380	35,247	3,545	501,912	918,660	161,740	20
13,537,257	1,124,521,019	188,776	17,554,665	83,837,949	44,356,597	40,251,872,170	6,372,640,490	320,859,476	21
483,387	113,117,396	110,401	3,053,350	870,052	5,273,813	1,194,199,571	82,783,576	1,767,700	22
—	2,193,203	⁶	829	1,900	169	23,569,793	—	—	23
1,923	4,080,468	250	2,620	25,725	7,076	319,804,417	8,306,000	—	24
5,689	1,873,383	333	3,997	22,109	14,203	53,380,207	—	—	25
179,162	22,945,082	282	344,494	157,280	417,097	749,834,309	91,979,954	14,439,000	26
⁷	2,847,241	—	6,673	188	10,310	41,674,427	3,444,320	—	27
13,304	3,343,005	⁸	15,741	21,865	65,747	77,307,398	—	—	28
262,467	16,552,610	22,729	311,598	45,428	325,421	555,074,906	184,730,401	17,096,453	29
11,629,868	235,988,625	4,177	315,649	55,094	361,371	10,821,160,058	4,535,560,491	264,455,324	30
78,352	7,671,675	52	115,045	137,992	1,810,119	163,759,071	—	—	31
158,768	184,974,195	2,660	980,863	33,243,319	1,566,361	3,339,021,376	260,500	—	32
107,762	30,102,660	1,290	2,176,402	135,841	1,379,026	797,142,785	66,931,334	—	33
331,376	101,580,414	1,484	801,145	251,928	2,331,231	14,290,438,770	1,121,430,109	12,219,100	34
9,370	15,139,346	—	581,663	416,393	263,243	502,939,137	16,254,000	—	35
135,818	95,540,158	38,058	1,016,232	1,343,568	8,167,527	2,104,319,813	14,857,373	41,600	36
35,900	242,793,528	—	7,554,317	41,913,210	12,520,680	836,274,650	894,260	161,740	37
47,817	38,272,547	4,650	206,975	5,164,381	9,706,100	4,236,506,163	245,208,172	10,678,559	38
56,255	5,505,483	2,328	67,072	31,676	137,103	145,465,319	—	—	39

⁵ For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals already published in order to make the series comparable with current data.

⁶ Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

⁷ Newfoundland included.

⁸ Included in total.

PART II. PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

SECTION 1. TYPE AND CONCENTRATION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of Canada is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1955 amounted to \$17,277,601,319 or 80 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coal-fields of Pennsylvania, the water power and other varied resources of the provinces, and their nearness to the

larger markets of Canada and the United States have all contributed to this progress.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of tobacco and tobacco products, textiles (except clothing), clothing (textile and fur), and paper products. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 42 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 22 p.c. of the total. In each of the other groups Ontario and Quebec lead by a wide margin.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1956

Province and group	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
Canada							
Foods and beverages	8,023	183,008	531,634,259	58,531,443	2,474,174,069	1,311,492,763	3,826,702,255
Tobacco and tobacco products	51	9,613	30,308,855	755,583	150,111,499	88,298,796	239,242,872
Rubber products	91	23,136	82,154,889	4,884,170	160,686,586	198,602,139	355,583,615
Leather products	646	31,384	74,970,034	2,297,523	123,790,832	112,857,380	237,031,985
Textiles	965	70,873	199,327,510	15,009,532	430,420,090	323,820,707	766,977,127
Knitting mills	286	21,913	49,637,957	1,913,227	83,926,020	81,158,559	165,149,727
Clothing	2,525	89,799	208,216,211	3,218,042	399,249,027	337,265,504	733,769,962
Wood products	11,103	135,583	376,349,267	20,269,385	788,465,324	646,223,303	1,446,612,560
Paper products	568	93,705	386,886,416	107,487,809	885,056,261	908,726,918	1,887,611,000
Printing, publishing and allied industries	4,585	72,361	254,372,125	5,528,637	225,201,594	459,224,177	688,434,263
Iron and steel products	2,963	196,918	766,376,087	65,339,983	1,315,813,753	1,429,985,145	2,756,769,477
Transportation equipment	591	141,257	553,571,826	21,346,076	1,286,297,404	906,154,667	2,192,934,975
Non-ferrous metal products	581	56,071	220,369,740	70,787,035	1,128,961,556	667,853,158	1,862,156,162
Electrical apparatus and supplies	473	83,296	310,522,800	9,164,267	558,249,520	577,411,595	1,090,194,175
Non-metallic mineral products	1,183	40,165	143,223,163	46,295,250	206,872,491	322,821,042	572,539,111
Products of petroleum and coal	107	17,685	81,679,924	50,360,263	837,826,914	489,299,180	1,777,226,103
Chemicals and allied products	1,131	52,821	200,742,647	36,638,937	527,564,227	556,240,754	1,111,233,404
Miscellaneous industries	1,556	33,432	100,348,480	4,109,544	138,869,722	187,988,792	326,580,013
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	9,605,424,579	21,636,748,986
Newfoundland							
Foods and beverages	87	3,898	7,512,203	859,489	18,191,830	16,042,195	34,492,121
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	5	116	231,593	28,197	431,250	264,902	667,403
Textiles	4	93	238,152	19,820	361,045	325,689	728,054
Knitting mills ¹	—	—	—	—	—	—	—
Clothing	3	173	232,277	12,276	282,412	276,270	541,873
Wood products	604	1,518	2,014,027	218,760	4,012,106	3,119,228	7,428,339
Paper products ²	2	3,369	16,434,551	5,232,154	28,030,105	35,444,029	68,085,288
Printing, publishing and allied industries	40	446	1,258,016	55,476	768,641	2,188,485	3,001,271
Iron and steel products	10	284	840,864	82,101	883,659	1,401,323	2,136,778
Transportation equipment	4	20	43,839	2,950	26,630	49,941	79,543
Non-ferrous metal products	—	—	—	—	—	—	—
Electrical apparatus and supplies ³	—	—	—	—	—	—	—
Non-metallic mineral products	12	350	1,158,722	431,309	1,334,360	2,554,139	4,483,328
Products of petroleum and coal ⁴	—	—	—	—	—	—	—
Chemicals and allied products	5	78	207,746	20,631	830,905	652,989	1,469,308
Miscellaneous industries ⁵	7	157	290,745	34,251	299,013	288,519	578,038
Totals	783	10,502	30,462,735	6,977,414	55,451,956	62,607,709	123,691,344
Prince Edward Island							
Foods and beverages	93	1,179	2,126,592	319,169	14,392,800	4,232,652	19,115,958
Tobacco and tobacco products ⁶	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	—	—	—	—	—	—	—
Textiles	4	79	146,341	13,972	1,217,971	266,294	1,463,046
Knitting mills	—	—	—	—	—	—	—
Clothing	—	—	—	—	—	—	—
Wood products	71	223	299,453	27,111	486,831	510,377	1,027,527
Paper products ⁷	—	—	—	—	—	—	—
Printing, publishing and allied industries	11	169	375,230	18,156	167,867	597,817	783,888
Iron and steel products	4	27	63,472	2,794	94,554	92,718	184,101
Transportation equipment ⁸	—	—	—	—	—	—	—
Non-ferrous metal products	—	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—	—
Non-metallic mineral products	3	13	30,199	4,543	21,496	52,252	80,936
Products of petroleum and coal	—	—	—	—	—	—	—
Chemical and allied products ⁹	—	—	—	—	—	—	—
Miscellaneous industries	—	—	—	—	—	—	—
All other groups ¹⁰	6	85	192,117	15,683	1,425,323	409,518	1,841,789
Totals	192	1,775	3,233,404	401,428	17,806,842	6,161,628	24,497,245

See footnotes at the end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1956 - Continued

Province and group	Establish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Nova Scotia	number				dollars		
Foods and beverages	345	8,076	16,424,089	2,131,063	59,242,296	31,580,016	92,103,930
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	3	71	156,430	1,973	216,340	232,997	451,300
Textiles	13	487	1,153,715	124,424	2,706,653	3,256,753	6,065,945
Knitting mills	5	927	1,698,722	106,723	3,614,638	2,950,644	6,556,228
Clothing	9	398	614,000	41,493	1,489,883	906,238	2,362,036
Wood products	712	4,218	7,309,368	579,958	19,478,223	13,202,651	33,210,003
Paper products	1	1,484	5,211,332	1,616,656	10,309,369	13,389,452	25,241,787
Printing, publishing and allied industries	141	1,413	4,037,648	133,334	2,495,936	7,720,013	10,315,291
Iron and steel products	49	6,596	23,551,125	3,951,228	38,403,611	36,438,393	76,547,067
Transportation equipment	58	5,310	16,530,988	696,918	24,010,191	25,093,403	49,870,296
Non-ferrous metal products	—	—	—	—	—	—	—
Electrical apparatus and supplies ¹	—	—	—	—	—	—	—
Non-metallic mineral products	26	606	1,629,762	635,436	1,859,750	3,664,295	6,116,931
Products of petroleum and coal ²	—	—	—	—	—	—	—
Chemicals and allied products	16	284	860,122	154,144	2,895,358	2,569,897	5,805,673
Miscellaneous industries ³	18	1,067	4,771,209	3,172,971	48,056,821	18,815,490	69,751,616
Totals	1,402	30,937	83,948,510	13,346,321	214,779,069	159,820,242	384,398,103
New Brunswick							
Foods and beverages	321	6,635	14,040,865	2,417,733	76,599,964	32,251,498	110,856,887
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	7	310	626,725	17,865	1,140,468	1,066,279	2,211,481
Textiles	14	773	1,642,768	183,436	2,426,897	1,767,497	4,423,673
Knitting mills ⁴	—	—	—	—	—	—	—
Clothing	4	150	191,223	4,483	20,272,686	255,594	521,953
Wood products	478	3,911	7,470,192	578,374	20,236,733	13,001,964	33,822,625
Paper products	16	4,587	19,261,696	8,910,186	51,383,064	47,060,554	105,365,921
Printing, publishing and allied industries	72	974	2,533,879	104,988	1,680,892	4,360,834	6,147,264
Iron and steel products	31	1,350	3,858,532	265,213	6,328,004	7,102,185	14,062,451
Transportation equipment	8	2,219	6,705,990	315,103	8,069,124	8,334,876	16,680,411
Non-ferrous metal products ¹	—	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—	—
Non-metallic mineral products	27	553	1,665,490	1,170,008	1,850,991	3,959,959	6,903,566
Products of petroleum and coal ²	—	—	—	—	—	—	—
Chemicals and allied products	9	149	467,912	83,514	3,118,034	1,200,294	4,565,905
Miscellaneous industries ³	17	949	2,598,029	199,756	2,733,449	4,952,954	7,718,462
Totals	1,004	22,560	61,063,301	14,250,659	176,440,306	125,314,488	313,280,599
Quebec							
Foods and beverages	2,622	47,170	131,497,271	15,882,520	665,869,615	338,634,681	1,017,902,846
Tobacco and tobacco products	29	7,610	25,401,504	514,167	87,450,941	74,134,924	162,189,718
Rubber products	35	6,877	20,706,605	953,037	28,771,073	37,322,772	65,052,656
Leather products	351	16,673	36,549,774	760,042	55,493,886	54,993,680	110,901,398
Textiles	444	39,760	109,321,931	7,964,094	233,328,192	171,677,880	412,018,417
Knitting mills	147	10,490	23,212,591	820,243	40,263,626	37,445,389	77,757,340
Clothing	1,559	56,497	126,086,297	1,864,746	261,943,691	208,868,296	469,088,037
Wood products	3,156	34,684	81,388,305	4,337,437	178,160,560	144,470,237	323,479,620
Paper products	193	37,226	154,188,880	50,367,736	340,515,063	357,243,361	742,161,888
Printing, publishing and allied industries	1,255	19,549	67,073,064	1,262,259	65,715,054	123,583,504	190,478,617
Iron and steel products	704	44,593	164,222,367	10,165,172	268,482,367	301,439,896	566,429,391
Transportation equipment	115	33,927	127,574,722	4,370,297	162,769,485	184,781,090	352,018,841
Non-ferrous metal products	193	19,613	75,078,926	35,510,153	503,028,394	228,859,051	763,829,926
Electrical apparatus and supplies	98	24,303	88,948,191	2,342,516	145,773,511	150,291,448	285,052,524
Non-metallic mineral products	348	11,783	40,877,285	15,153,460	61,976,748	93,413,000	169,249,003
Products of petroleum and coal	19	3,662	16,678,535	17,639,736	283,357,498	159,619,036	460,447,363
Chemicals and allied products	365	21,194	79,090,202	10,012,543	178,640,246	169,485,926	356,932,496
Miscellaneous industries	479	10,526	28,718,114	1,128,187	43,981,716	51,884,587	95,511,715
Totals	12,112	446,137	1,396,414,564	181,050,355	3,605,521,666	2,888,148,758	6,622,502,699
Ontario							
Foods and beverages	2,865	73,134	225,591,853	23,910,549	954,985,896	563,241,631	1,541,164,773
Tobacco and tobacco products	19	1,989	4,879,299	240,271	62,645,595	14,124,980	76,997,344
Rubber products	48	16,191	61,228,450	3,910,310	131,739,169	160,856,206	289,917,252
Leather products	230	12,946	34,362,921	1,402,876	60,602,059	51,574,293	112,348,261
Textiles	378	27,771	81,611,581	6,435,468	173,240,616	137,220,552	316,103,916
Knitting mills	120	9,957	23,556,803	941,935	38,157,095	38,594,665	76,929,479
Clothing	700	24,208	61,482,716	974,782	98,061,154	96,381,690	190,478,617
Wood products	2,438	37,113	104,248,659	4,940,851	183,695,372	167,495,757	353,921,923
Paper products	263	35,733	142,857,192	30,133,427	332,381,487	326,996,907	687,695,184
Printing, publishing and allied industries	1,883	26,631	135,308,455	2,918,676	120,784,379	240,445,208	362,906,060
Iron and steel products	1,497	123,365	496,123,648	46,685,258	865,555,742	940,193,303	1,821,034,425
Transportation equipment	249	84,391	345,631,105	14,447,715	1,038,786,265	614,522,337	1,647,169,029
Non-ferrous metal products	310	27,212	106,584,300	23,606,017	485,438,888	339,557,989	844,909,087
Electrical apparatus and supplies	304	56,656	213,771,658	6,513,603	393,210,322	411,767,061	770,502,085
Non-metallic mineral products	527	20,368	76,004,597	21,253,051	105,300,625	168,144,728	292,658,035
Products of petroleum and coal	35	7,458	34,687,112	15,793,357	263,131,684	158,778,752	437,538,165
Chemicals and allied products	558	25,893	99,578,302	22,828,211	290,183,395	316,986,746	623,257,477
Miscellaneous industries	791	20,174	63,125,828	2,419,589	84,922,345	121,707,225	206,325,242
Totals	13,215	641,190	2,310,634,396	229,355,946	5,683,753,088	4,868,570,251	10,635,098,620

See footnotes at end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Group, 1956 - Continued

Province and group	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
Manitoba							
Foods and beverages	372	9,922	31,481,477	3,134,147	163,529,747	70,130,282	236,670,887
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	3	12	25,268	1,375	45,762	92,963	132,100
Leather products	21	693	1,567,032	46,231	3,454,036	2,582,782	5,919,663
Textiles	37	739	1,803,180	75,621	7,352,877	3,322,823	10,760,076
Knitting mills	4	78	157,063	8,056	477,023	344,375	823,300
Clothing	154	5,728	13,386,227	209,067	25,549,658	20,256,204	45,851,864
Wood products	281	3,033	8,231,738	437,745	15,914,000	12,771,097	29,139,174
Paper products	24	1,512	5,436,599	1,404,982	15,196,062	15,386,379	31,907,448
Printing, publishing and allied industries	295	3,793	11,743,501	276,096	9,907,556	21,263,529	31,669,604
Iron and steel products	130	5,542	19,793,751	1,346,659	35,083,313	38,375,541	72,773,774
Transportation equipment	28	6,604	22,833,892	676,915	23,289,773	24,308,367	48,179,474
Non-ferrous metal products	18	465	3,769,879	572,850	9,199,933	12,023,303	21,710,535
Electrical apparatus and supplies	20	1,050	3,230,676	104,403	5,916,614	6,534,980	12,545,808
Non-metallic mineral products	44	1,403	4,346,619	2,839,876	7,490,955	12,275,640	22,547,633
Products of petroleum and coal	7	780	3,583,085	2,088,022	33,047,319	20,460,973	55,653,836
Chemicals and allied products	37	744	2,165,147	175,078	7,840,099	6,128,728	14,012,930
Miscellaneous industries	59	723	1,950,837	105,156	3,730,039	3,649,618	7,391,079
Totals	1,534	42,821	133,505,971	13,502,279	367,024,766	270,017,554	647,389,185
Saskatchewan							
Foods and beverages	225	4,052	15,810,305	1,887,205	88,825,046	38,043,926	128,541,293
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—	—
Leather products	—	—	—	—	—	—	—
Textiles	8	72	140,474	2,980	828,552	245,051	1,084,936
Knitting mills	—	—	—	—	—	—	—
Clothing	12	250	580,958	20,945	1,097,655	1,125,369	2,269,760
Wood products	241	1,243	2,865,865	210,932	4,615,562	4,856,250	9,633,716
Paper products	4	25	73,033	2,669	134,354	224,409	355,004
Printing, publishing and allied industries	185	1,533	4,554,413	148,276	3,286,240	8,049,612	11,506,711
Iron and steel products	50	851	2,504,993	113,876	4,649,601	3,364,004	8,026,237
Transportation equipment	5	16	43,980	3,090	36,501	66,727	106,359
Non-ferrous metal products ¹	—	—	—	—	—	—	—
Electrical apparatus and supplies ¹	31	464	1,441,154	404,058	1,664,998	2,902,571	4,783,369
Non-metallic mineral products	12	1,254	5,466,124	3,378,490	54,652,371	28,781,969	86,806,022
Products of petroleum and coal	9	200	780,001	31,233	2,611,721	1,092,119	3,673,536
Chemicals and allied products	16	576	2,422,083	2,032,738	14,468,587	24,875,635	41,416,546
Miscellaneous industries ³	—	—	—	—	—	—	—
Totals	798	11,536	36,683,383	8,236,492	176,871,188	113,627,642	298,203,489
Alberta							
Foods and beverages	425	11,241	34,967,306	2,851,840	204,179,337	83,106,085	287,687,720
Tobacco and tobacco products	—	—	—	—	—	—	—
Rubber products ¹	—	—	—	—	—	—	—
Leather products	10	42	98,671	2,493	103,204	132,916	232,699
Textiles	20	375	1,425,493	72,704	3,804,174	2,367,369	5,784,911
Knitting mills	4	44	88,498	1,716	93,849	138,955	230,068
Clothing	24	915	2,143,827	23,813	4,742,285	3,892,760	8,398,603
Wood products	821	5,825	13,902,032	1,002,725	28,184,482	25,799,240	54,655,115
Paper products	14	635	2,195,460	169,694	7,045,264	5,320,206	12,376,899
Printings, publishing and allied industries	277	2,618	8,014,054	183,633	6,683,353	16,230,084	23,080,561
Iron and steel products	160	4,232	15,417,023	777,372	28,468,054	27,832,588	55,286,716
Transportation equipment	22	3,054	10,658,084	239,782	12,413,531	11,757,040	24,343,894
Non-ferrous metal products	12	760	3,387,350	462,805	8,454,870	9,047,591	17,866,279
Electrical apparatus and supplies	7	177	609,750	57,006	2,947,462	985,893	3,773,752
Non-metallic mineral products	72	2,735	8,970,568	1,887,313	14,193,140	21,537,746	37,635,783
Products of petroleum and coal	20	2,055	9,315,296	3,988,554	76,654,518	52,030,881	132,699,568
Chemicals and allied products	32	1,703	7,636,306	2,202,874	12,920,905	23,192,506	35,356,192
Miscellaneous industries ³	51	381	1,365,387	90,187	1,249,819	2,458,951	3,779,979
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	285,830,811	703,188,739
British Columbia							
Foods and beverages	663	16,683	52,132,590	5,125,928	228,272,295	134,096,419	357,936,229
Tobacco and tobacco products ¹	—	—	—	—	—	—	—
Rubber products	4	53	187,640	18,570	129,279	321,537	470,565
Leather products	19	533	1,376,888	35,846	2,349,589	2,009,531	4,299,780
Textiles	43	724	1,843,875	117,013	5,153,113	3,360,799	8,544,151
Knitting mills	4	278	686,534	12,609	1,080,076	1,402,236	2,438,609
Clothing	60	1,480	3,498,686	66,437	5,869,603	5,323,083	11,014,955
Wood products	2,288	43,755	148,454,608	7,923,498	333,387,130	260,655,238	599,637,945
Paper products	44	9,131	41,217,077	9,649,842	99,040,890	107,631,115	214,370,009
Printing, publishing and allied industries	424	5,224	19,421,095	425,573	13,699,146	34,727,110	48,770,712
Iron and steel products	327	10,073	39,984,381	1,968,837	67,244,736	73,720,433	140,240,237
Transportation equipment	101	5,691	23,683,055	588,027	16,841,586	37,151,290	54,337,935
Non-ferrous metal products	49	7,018	29,943,136	8,526,352	107,776,808	51,353,768	167,807,430
Electrical apparatus and supplies	35	824	3,174,199	128,047	9,639,057	6,164,995	16,215,380
Non-metallic mineral products	93	1,890	7,098,767	2,520,196	11,179,428	14,316,712	28,080,527
Products of petroleum and coal	9	1,624	7,653,575	4,199,544	76,278,946	51,634,715	132,113,205
Chemicals and allied products	97	2,525	9,825,019	1,112,212	26,668,516	34,625,881	63,993,654
Miscellaneous industries ³	133	1,089	3,688,263	198,210	3,272,148	5,754,411	9,187,143
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	824,249,273	1,859,368,466

See footnote at the end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1956 - Concluded

Province and group	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
Yukon and Northwest Territories							
Foods and beverages	5	18	49,708	11,800	85,243	133,378	229,611
Wood products	13	60	165,020	11,984	303,325	341,264	656,573
Miscellaneous industries ³	6	97	466,705	164,776	3,478,847	601,581	4,244,313
Totals	24	175	681,433	188,560	3,867,415	1,076,223	5,130,497

¹ Confidential. Included with miscellaneous industries.² Publication of these figures is authorized by the firms concerned.³ Confidential. Includes all groups marked with 1.⁴ Included with all other groups.⁵ Includes printing and publishing, sheet metal products, jewellery and silverware, petroleum products, and acids, alkalies and salts.

The degree of concentration of manufacturing in large units is illustrated in Table 2. In Ontario 40.8 p.c. of all persons engaged in manufacturing were employed in establishments having 500 or more employees as compared with 35.9 p.c. for Canada as a whole. Ontario assumed the premier position in 1956, displacing Newfoundland which formerly ranked first.

Quebec ranked second with 33.0 p.c., followed by Newfoundland and Nova Scotia with 32.1 p.c., New Brunswick 31.1 p.c., British Columbia 27.5 p.c., Manitoba 24.5 p.c., and Alberta 18.6 p.c. There were no plants in either Prince Edward Island or Saskatchewan employing 500 or more persons.

TABLE 2. Concentration of Manufacturing Production in Each Province, 1956

Province	Number of establishments employing 500 or more persons	Percentage of total number of establishments in province	Provincial percentage of number of employees accounted for by these establishments
Newfoundland	2	0.3	32.1
Prince Edward Island	—	—	—
Nova Scotia	7	0.5	32.1
New Brunswick	8	0.8	31.1
Quebec	139	1.1	38.0
Ontario	197	1.5	40.8
Manitoba	10	0.7	24.6
Saskatchewan	—	—	—
Alberta	9	0.5	18.6
British Columbia	28	0.6	27.5
Yukon and Northwest Territories	—	—	—
Canada	400	1.1	36.9

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1956

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Canada:						
Under 5 employees	15,807	34,424	60,175,569	7,243,424	203,244,855	326,661,142
5 to 14 employees	9,768	81,151	205,696,605	18,222,717	545,227,029	944,093,327
15 " 49 "	6,468	173,156	490,166,876	37,943,269	1,237,380,837	2,219,534,830
50 " 99 "	2,101	145,886	430,594,776	31,950,179	1,049,324,465	1,952,641,081
100 " 199 "	1,221	168,495	522,458,735	47,058,234	1,422,446,267	2,568,576,166
200 " 499 "	777	239,195	821,741,428	101,088,230	2,199,554,427	4,143,302,508
500 " 999 "	260	181,986	679,327,988	106,492,369	1,923,874,580	3,546,252,188
1,000 " 1,499 "	74	91,452	353,714,544	49,118,376	919,763,113	1,702,268,319
1,500 and over	66	220,723	915,177,927	124,795,718	2,216,060,323	4,227,749,455
Not classifiable	886	—	—	—	4,587,912	5,669,970
Head Offices ¹	—	16,552	91,637,741	28,190	73,081	—
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986
Newfoundland:						
Under 5 employees	617	964	683,171	91,481	1,392,165	2,831,914
5 to 14 employees	63	511	1,062,404	136,176	2,495,927	5,149,657
15 " 49 "	55	1,433	3,249,271	397,612	6,820,590	13,746,781
50 " 99 "	26	1,894	4,726,301	407,955	9,886,975	19,375,155
100 " 199 "	11	1,447	2,567,966	592,776	4,078,911	8,828,137
200 " 499 "	3	—	—	—	—	—
500 " 999 "	1	4,247	18,118,422	5,351,414	30,765,773	73,747,004
1,000 " 1,499 "	1	—	—	—	—	—
1,500 and over	6	—	—	—	11,615	12,696
Not classifiable	—	—	—	—	—	—
Head Offices ¹	—	6	55,200	—	—	—
Totals	783	10,502	30,462,735	6,977,414	55,451,956	123,691,344

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1936 — Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Prince Edward Island:						
Under 5 employees	115	222	276,067	41,505	1,890,645	2,579,436
5 to 14 employees	40	338	530,428	87,856	2,761,795	3,833,376
15 " 49 "	31	746	1,258,322	154,514	7,383,277	9,759,384
50 " 99 "	2					
100 " 199 "	1	469	1,168,587	117,553	5,766,194	8,320,062
200 " 499 "	1					
Not classifiable	2	—	—	—	4,931	4,987
Totals	192	1,775	3,233,404	401,428	17,806,842	24,497,245
Nova Scotia:						
Under 5 employees	714	1,492	1,930,602	217,226	4,761,596	8,632,936
5 to 14 employees	363	3,041	5,729,863	690,184	18,747,621	31,401,779
15 " 49 "	180	4,754	10,084,289	1,225,184	29,508,236	49,463,925
50 " 99 "	48	3,442	7,766,968	1,184,234	20,068,535	37,380,128
100 " 199 "	17	2,267	5,578,185	708,487	11,463,494	22,492,240
200 " 499 "	5	5,974	19,037,553	4,422,652	75,011,113	122,756,370
500 " 999 "	21					
1,500 and over	2	9,926	33,672,599	4,898,354	55,186,993	112,154,879
Not classifiable	52	—	—	—		
Head Offices ¹	—	41	148,451	—	91,481	115,848
Totals	1,402	30,937	83,948,510	13,346,321	214,779,069	384,398,103
New Brunswick:						
Under 5 employees	528	1,076	1,358,276	176,325	4,087,178	6,907,665
5 to 14 employees	258	2,148	4,016,998	589,985	12,064,840	20,763,564
15 " 49 "	129	3,427	7,061,203	921,556	23,980,027	38,100,777
50 " 99 "	37	2,495	5,590,257	734,741	18,036,234	29,308,429
100 " 199 "	24	3,287	8,221,007	1,293,951	20,910,075	39,971,870
200 " 499 "	9	2,966	9,721,619	2,559,868	26,824,342	44,408,150
500 " 999 "	6					
1,000 " 1,499 "	2	7,011	24,163,982	7,974,233	70,502,414	133,771,220
Not classifiable	11	—	—	—	35,196	48,924
Head Offices ¹	—	150	929,959	—	—	—
Totals	1,004	22,560	61,063,301	14,250,659	176,440,306	313,280,599
Quebec:						
Under 5 employees	5,126	11,395	19,918,896	2,472,139	95,064,722	136,618,161
5 to 14 employees	3,109	25,711	60,371,254	4,960,571	185,126,472	305,170,648
15 " 49 "	2,196	59,082	149,273,649	10,080,887	371,462,306	660,254,350
50 " 99 "	689	47,654	124,491,203	7,576,600	275,320,342	531,448,987
100 " 199 "	398	54,588	152,726,617	15,591,288	439,958,521	777,454,533
200 " 499 "	232	72,734	225,836,910	30,001,811	573,908,905	1,107,516,684
500 " 999 "	87	61,572	222,416,229	52,294,816	920,651,032	1,551,814,621
1,000 " 1,499 "	28	34,331	126,709,513	25,466,337	343,148,523	651,701,604
1,500 and over	24	71,370	273,210,803	32,585,906	399,474,087	898,787,971
Not classifiable	223	—	—	—	1,406,756	1,735,140
Head Offices ¹	—	7,700	41,459,490	—	—	—
Totals	12,112	446,137	1,396,414,564	181,050,355	3,605,521,666	6,622,502,699
Ontario:						
Under 5 employees	4,784	10,724	21,214,329	2,659,314	63,097,494	106,180,079
5 to 14 employees	3,476	29,169	79,536,874	6,549,373	195,387,980	344,317,880
15 " 49 "	2,565	69,622	211,268,063	16,475,437	519,565,404	950,400,362
50 " 99 "	895	62,720	197,085,966	14,678,344	484,353,172	899,256,435
100 " 199 "	565	78,646	259,120,522	18,650,571	624,226,264	1,163,681,265
200 " 499 "	409	124,744	440,771,707	37,216,715	1,008,842,604	1,954,746,834
500 " 999 "	128	87,199	337,541,920	42,565,130	679,065,299	1,407,705,252
1,000 " 1,499 "	36	44,765	176,801,124	16,167,106	469,825,598	851,650,809
1,500 and over	33	127,369	551,896,364	74,393,956	1,637,202,936	2,974,461,117
Not classifiable	324	—	—	—	2,186,337	2,698,587
Head Offices ¹	—	6,232	35,395,527	—	—	—
Totals	13,215	641,190	2,310,634,396	229,355,946	5,683,753,088	10,655,098,620
Manitoba:						
Under 5 employees	634	1,377	2,543,405	257,486	6,090,860	11,158,178
5 to 14 employees	396	3,289	8,129,226	837,146	24,904,998	41,089,159
15 " 49 "	232	6,217	17,297,713	1,307,837	40,009,684	72,539,990
50 " 99 "	114	7,724	22,861,197	1,422,103	60,941,542	106,331,799
100 " 199 "	54	7,721	22,853,446	3,358,404	81,390,880	143,558,440
200 " 499 "	21	5,780	20,911,734	4,490,775	52,894,284	108,491,252
500 " 999 "	6	4,457	16,324,569	1,126,692	52,542,265	87,411,354
1,000 " 1,499 "	2					
1,500 and over	2	6,070	21,411,158	701,836	48,013,768	76,555,946
Not classifiable	2	—	—	—		
Head Offices ¹	73	186	1,173,523	—	236,485	253,067
Totals	1,534	42,821	133,505,971	13,502,279	367,024,766	647,389,185

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1956 — Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Saskatchewan:						
Under 5 employees	411	849	1,477,328	184,657	2,937,713	5,821,788
5 to 14 employees	225	1,759	4,550,958	861,631	14,042,709	23,876,543
15 " 49 "	82	2,184	6,683,098	818,752	19,781,012	34,183,921
50 " 99 "	28	1,952	6,381,621	696,722	15,209,893	32,522,310
100 " 199 "	13	1,686	5,220,936	732,965	28,178,134	40,381,305
200 " 499 "	9	2,885	11,466,492	5,141,765	96,610,694	161,273,011
Not classifiable	30	—	—	—	111,027	144,611
Head Offices ¹	—	221	902,950	—	—	—
Totals	798	11,536	36,683,383	8,236,492	176,871,188	298,203,469
Alberta:						
Under 5 employees	981	2,017	3,139,092	379,994	8,986,334	15,335,421
5 to 14 employees	536	4,420	11,519,598	1,070,240	31,236,501	54,439,527
15 " 49 "	239	6,139	19,246,501	1,722,513	53,471,848	97,734,009
50 " 99 "	74	5,046	16,364,284	1,371,399	45,047,749	82,217,450
100 " 199 "	41	5,443	18,233,639	2,777,650	77,691,468	134,447,327
200 " 499 "	21	6,446	25,505,269	5,719,020	113,352,026	196,366,736
500 " 999 "	8	—	—	973,695	82,199,446	122,431,140
1,000 " 1,499 "	1	6,848	23,945,960	—	—	—
Not classifiable	70	—	—	—	152,875	217,129
Head Offices ¹	—	433	2,240,756	—	—	—
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	703,188,739
British Columbia:						
Under 5 employees	1,883	4,276	7,558,136	751,624	14,790,442	30,244,649
5 to 14 employees	1,293	10,694	29,992,890	2,613,409	57,661,349	112,806,570
15 " 49 "	759	19,552	64,744,767	4,838,977	165,398,447	293,351,331
50 " 99 "	187	12,733	44,678,477	3,705,159	117,314,416	210,499,032
100 " 199 "	97	13,301	47,749,318	3,329,502	134,010,562	236,856,010
200 " 499 "	51	16,582	66,122,228	11,343,632	244,427,290	435,432,932
500 " 999 "	20	14,887	58,461,790	3,913,906	122,617,174	246,800,901
1,000 " 1,499 "	4	4,731	20,119,668	1,901,707	29,884,346	65,958,811
1,500 and over	—	10,256	45,110,229	10,190,635	121,354,030	226,979,049
Not classifiable	95	—	—	—	351,209	438,981
Head Offices ¹	—	1,583	9,331,885	28,190	73,081	—
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	1,859,368,466
Yukon and Northwest Territories:						
Under 5 employees	14	32	76,261	11,673	145,706	350,715
5 to 14 employees	9	143	605,172	176,887	3,721,709	4,779,782
50 " 99 "	1	—	—	—	—	—
Totals	24	175	681,433	188,560	3,867,415	5,130,497

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1956

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Canada:						
Under \$10,000	8,167	10,992	11,404,528	1,216,309	16,746,668	36,042,289
\$ 10,000 to \$ 24,999	5,849	17,789	32,088,600	2,940,079	44,019,219	97,366,056
25,000 " 49,999	4,980	27,803	58,348,586	4,584,658	84,248,053	179,826,287
50,000 " 99,999	4,905	45,022	106,757,717	8,170,668	175,725,418	352,055,444
100,000 " 199,999	4,266	64,955	167,454,427	12,264,238	323,974,525	608,290,084
200,000 " 499,999	4,149	125,306	346,033,921	22,319,225	693,959,204	1,313,515,996
500,000 " 999,999	2,133	127,965	371,224,539	24,162,638	789,126,808	1,494,648,452
1,000,000 " 4,999,999	2,284	349,694	1,130,319,793	85,424,603	2,503,484,257	4,793,887,428
5,000,000 and over	695	566,942	2,255,422,338	362,830,098	7,090,179,656	12,761,116,950
Head Offices ¹	—	16,552	91,637,741	28,190	73,081	—
Totals	37,428	1,353,020	4,570,692,190	523,940,706	11,721,536,889	21,636,748,986
Newfoundland:						
Under \$10,000	570	824	447,717	61,653	781,732	1,708,283
\$ 10,000 to \$ 24,999	55	197	291,143	28,068	370,457	837,178
25,000 " 49,999	35	202	388,573	41,704	500,270	1,198,636
50,000 " 99,999	17	266	435,011	49,108	521,047	1,148,560
100,000 " 199,999	38	862	1,834,149	160,492	3,069,250	5,465,119
200,000 " 499,999	30	1,201	2,432,041	219,999	4,796,365	9,365,677
500,000 " 999,999	24	1,956	4,051,155	510,017	8,809,723	16,720,230
1,000,000 " 4,999,999	12	4,988	20,527,746	5,906,353	36,603,112	87,247,661
5,000,000 and over	2	—	—	—	—	—
Head Offices ¹	—	6	55,200	—	—	—
Totals	783	10,502	30,462,735	6,977,414	55,451,956	123,691,344

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1956 - Continued

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Prince Edward Island:						
Under \$10,000	72	92	73, 195	6, 994	129, 411	302, 979
\$ 10,000 to \$ 24,999	24	80	98, 324	13, 124	210, 911	383, 023
25,000 " 49,999	20	104	138, 320	21, 232	480, 342	764, 592
50,000 " 99,999	24	213	331, 264	48, 910	1, 047, 056	1, 670, 822
100,000 " 199,999	29	449	716, 389	76, 062	2, 630, 372	3, 967, 832
200,000 " 499,999	14	348	626, 580	72, 888	3, 173, 836	4, 345, 542
500,000 " 999,999	7					
1,000,000 " 4,999,999	1	489	1, 249, 332	162, 218	10, 134, 914	13, 062, 455
5,000,000 and over	1					
Totals	192	1, 775	3, 233, 404	401, 428	17, 806, 842	24, 497, 245
Nova Scotia:						
Under \$10,000	471	656	513, 291	45, 525	981, 174	1, 892, 710
\$ 10,000 to \$ 24,999	238	746	1, 094, 903	116, 627	1, 951, 646	3, 888, 053
25,000 " 49,999	173	985	1, 718, 631	153, 583	3, 238, 375	6, 104, 549
50,000 " 99,999	183	1, 757	2, 964, 653	294, 927	7, 516, 683	12, 893, 632
100,000 " 199,999	122	2, 112	4, 085, 243	455, 515	9, 304, 012	16, 967, 459
200,000 " 499,999	116	3, 506	7, 717, 879	1, 040, 399	20, 296, 137	35, 210, 102
500,000 " 999,999	42	2, 511	5, 681, 657	694, 339	17, 057, 592	29, 689, 852
1,000,000 " 4,999,999	50	9, 987	27, 048, 597	2, 401, 775	54, 387, 597	103, 461, 747
5,000,000 and over	7	8, 636	32, 975, 205	8, 143, 631	100, 045, 853	174, 289, 999
Head Offices ¹	—	41	148, 451	—	—	—
Totals	1, 402	30, 937	83, 948, 510	13, 346, 321	214, 779, 069	384, 398, 103
New Brunswick:						
Under \$10,000	352	549	457, 069	49, 327	803, 988	1, 554, 947
\$ 10,000 to \$ 24,999	142	461	619, 200	64, 482	1, 228, 552	2, 380, 290
25,000 " 49,999	133	776	1, 301, 933	113, 214	2, 517, 719	4, 794, 023
50,000 " 99,999	134	1, 278	2, 324, 944	312, 801	5, 294, 396	9, 643, 878
100,000 " 199,999	186	1, 557	2, 842, 381	331, 669	6, 515, 476	11, 902, 933
200,000 " 499,999	74	2, 341	5, 146, 892	558, 492	12, 803, 480	22, 753, 851
500,000 " 999,999	35	2, 265	5, 091, 609	833, 798	13, 922, 348	24, 507, 352
1,000,000 " 4,999,999	39	6, 862	17, 221, 767	2, 529, 595	45, 187, 618	80, 596, 519
5,000,000 and over	9	6, 321	25, 127, 697	9, 457, 281	88, 166, 729	155, 146, 806
Head Offices ¹	—	150	929, 959	—	—	—
Totals	1, 004	22, 560	61, 063, 301	14, 250, 659	176, 440, 306	313, 280, 599
Quebec:						
Under \$10,000	2, 134	2, 893	3, 287, 589	331, 741	5, 045, 542	10, 392, 452
\$ 10,000 to \$ 24,999	1, 992	5, 832	10, 088, 786	899, 694	16, 006, 693	33, 034, 414
25,000 " 49,999	1, 767	9, 981	19, 262, 263	1, 491, 578	31, 579, 384	63, 597, 785
50,000 " 99,999	1, 764	16, 781	36, 171, 414	2, 445, 545	67, 210, 348	126, 900, 409
100,000 " 199,999	1, 503	23, 301	53, 937, 992	3, 316, 631	120, 863, 588	214, 316, 273
200,000 " 499,999	1, 408	44, 109	109, 755, 276	6, 220, 768	242, 699, 863	442, 130, 450
500,000 " 999,999	703	46, 487	119, 787, 258	6, 396, 203	264, 691, 540	489, 106, 517
1,000,000 " 4,999,999	636	105, 351	309, 689, 604	25, 808, 914	692, 681, 607	1, 319, 735, 052
5,000,000 and over	205	183, 702	692, 974, 892	134, 139, 281	2, 164, 743, 101	3, 923, 289, 347
Head Offices ¹	—	7, 700	41, 459, 490	—	—	—
Totals	12, 112	446, 137	1, 396, 414, 564	181, 050, 335	3, 605, 521, 666	6, 622, 502, 699
Ontario:						
Under \$10,000	2, 252	2, 856	3, 442, 062	376, 364	4, 630, 559	10, 248, 889
\$ 10,000 to \$ 24,999	1, 944	5, 974	11, 644, 144	1, 058, 728	14, 006, 071	32, 711, 352
25,000 " 49,999	1, 695	9, 359	21, 055, 262	1, 624, 395	28, 171, 009	61, 617, 584
50,000 " 99,999	1, 722	15, 177	39, 568, 241	2, 882, 850	59, 618, 654	123, 470, 541
100,000 " 199,999	1, 578	23, 823	65, 940, 177	4, 762, 701	116, 345, 768	226, 018, 471
200,000 " 499,999	1, 677	51, 523	151, 168, 105	9, 194, 372	270, 648, 258	535, 495, 569
500,000 " 999,999	884	52, 739	165, 592, 009	10, 332, 922	308, 742, 396	622, 093, 303
1,000,000 " 4,999,999	1, 117	176, 311	598, 642, 970	39, 911, 112	1, 218, 772, 942	2, 405, 575, 712
5,000,000 and over	346	297, 196	1, 218, 185, 899	159, 212, 502	3, 662, 817, 431	6, 637, 867, 199
Head Offices ¹	—	6, 232	35, 395, 527	—	—	—
Totals	13, 215	641, 190	2, 310, 634, 396	229, 355, 946	5, 683, 753, 088	10, 655, 098, 620
Manitoba:						
Under \$10,000	371	440	501, 927	52, 692	753, 893	1, 572, 605
\$ 10,000 to \$ 24,999	277	844	1, 647, 920	154, 584	2, 016, 407	4, 602, 050
25,000 " 49,999	176	1, 021	2, 276, 988	152, 893	2, 834, 490	6, 253, 073
50,000 " 99,999	161	1, 598	3, 724, 711	320, 639	5, 589, 383	11, 533, 842
100,000 " 199,999	184	2, 651	7, 075, 620	608, 277	14, 630, 399	26, 724, 055
200,000 " 499,999	152	4, 823	13, 140, 294	742, 403	27, 355, 028	50, 198, 787
500,000 " 999,999	101	6, 022	17, 252, 004	1, 156, 783	39, 287, 154	70, 517, 255
1,000,000 " 4,999,999	91	12, 288	39, 749, 976	2, 500, 473	102, 751, 358	183, 149, 280
5,000,000 and over	21	12, 948	46, 963, 008	7, 813, 535	171, 806, 654	292, 838, 238
Head Offices ¹	—	186	1, 173, 523	—	—	—
Totals	1, 534	42, 821	133, 505, 971	13, 502, 279	367, 024, 766	647, 389, 185

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1956 — Concluded

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Saskatchewan:						
Under \$10,000	271	345	361,198	43,867	446,472	1,065,627
\$ 10,000 to \$ 24,999	130	412	792,486	68,714	787,977	2,092,415
25,000 " 49,999	112	618	1,364,112	123,609	1,595,747	4,059,197
50,000 " 99,999	76	683	1,724,567	228,849	2,309,392	5,153,724
100,000 " 199,999	64	735	2,237,824	319,429	4,510,616	8,691,457
200,000 " 499,999	76	1,730	5,410,912	587,106	12,785,411	23,909,717
500,000 " 999,999	32	1,372	4,083,344	402,584	14,690,232	22,439,806
1,000,000 " 4,999,999	26	2,424	7,780,544	818,048	23,926,006	46,869,051
5,000,000 and over	11	2,996	12,025,446	5,644,286	115,819,335	183,922,495
Head Offices ¹	—	221	902,950	—	—	—
Totals	798	11,536	36,683,383	8,236,492	176,871,188	298,203,499
Alberta:						
Under \$10,000	649	854	743,389	95,842	1,077,538	2,413,892
\$ 10,000 to \$ 24,999	303	917	1,680,866	145,987	2,082,624	5,048,921
25,000 " 49,999	212	1,243	2,658,625	195,156	3,208,973	7,753,288
50,000 " 99,999	261	2,263	5,807,758	520,001	8,632,877	19,030,411
100,000 " 199,999	188	2,549	7,241,930	614,782	14,230,605	26,579,629
200,000 " 499,999	166	4,046	12,606,924	906,132	22,146,731	52,587,287
500,000 " 999,999	74	3,532	11,389,977	881,167	29,333,447	51,242,629
1,000,000 " 4,999,999	88	9,961	34,109,056	3,909,196	91,480,779	177,483,340
5,000,000 and over	30	10,974	41,715,824	6,746,248	233,744,673	361,049,142
Head Offices ¹	—	433	2,240,756	—	—	—
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	703,188,739
British Columbia:						
Under \$10,000	1,021	1,478	1,572,301	151,694	2,088,939	4,871,785
\$ 10,000 to \$ 24,999	741	2,319	4,119,346	388,873	5,343,326	12,349,658
25,000 " 49,999	648	3,475	8,056,230	655,653	9,994,744	23,321,675
50,000 " 99,999	560	4,973	13,669,004	1,060,050	17,692,247	40,404,340
100,000 " 199,999	471	6,884	21,434,644	1,610,960	31,691,689	67,262,185
200,000 " 499,999	436	11,679	38,029,218	2,776,866	71,254,095	137,519,014
500,000 " 999,999	230	10,830	37,761,830	2,862,665	88,057,713	182,595,213
1,000,000 " 4,999,999	223	24,780	91,559,159	6,713,542	261,628,238	453,064,983
5,000,000 and over	63	40,594	168,335,771	26,368,448	520,058,274	957,979,613
Head Offices ¹	—	1,583	9,331,885	28,190	73,081	—
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	1,859,368,466
Yukon and Northwest Territories:						
Under \$10,000	4	5	4,790	610	7,420	18,120
\$ 10,000 to \$ 24,999	3	7	11,482	1,178	14,555	38,702
25,000 " 49,999	9	39	127,599	11,641	127,000	361,885
50,000 " 99,999	3	13	36,150	6,982	93,335	205,285
100,000 " 199,999	3	111	501,412	163,143	3,625,105	4,506,505
200,000 " 499,999	1					
5,000,000 and over	1					
Totals	24	175	681,433	188,560	3,867,415	5,130,497

¹ Under this heading are included only those head offices that are not located at the plant.

SECTION 2. THE MANUFACTURES OF THE ATLANTIC PROVINCES

The Atlantic Provinces are of economic importance in a number of fields, such as pulp and paper, fish processing, sawmills and primary iron and steel. In Newfoundland manufacturing production is dominated by the forest and fisheries resources. Pulp and paper was the most important industry in 1956 with shipments valued at \$68,985,288, followed by fish processing with \$18,279,005. These two industries accounted for 70 per cent of the total production of the Province. In Prince Edward Island agriculture and fishing resources make butter and cheese, slaughtering and meat packing, and fish processing the leading industries. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forests and agricultural lands and is favoured with easy access by sea to the high-grade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of primary iron and steel, fish processing, pulp and paper, shipbuilding and sawmills. In addition, an important petroleum refinery, railway rolling stock, cotton yarn and cloth and coke and gas plants add to the diversification of the Province. The forests of New Brunswick give a leading place to its pulp and paper and sawmilling industries. Other important manufacturing and processing activities are based on fish and agricultural resources.

Nova Scotia and New Brunswick, despite the lack of large rivers, have valuable sources of hydraulic power, a considerable portion of which has been developed. Tentative estimates give Newfoundland a potential of almost 1,000,000 h.p. at ordinary minimum flow, while in Labrador, the Hamilton River is outstanding as a potential source of power. Turbine installation at the end of 1956 totalled 336,750 h.p. in Newfoundland, 1,882 in Prince Edward Island, 177,018 in Nova Scotia and 164,130 in New Brunswick. Compared with Quebec, Ontario and British Columbia, the installed power in the Atlantic Provinces, is very small, amounting to 679,780 h.p. This compares with a total of 1,191,745 in the Prairie Provinces and 18,403,048 in the whole of Canada.

Manufacturing establishments reporting in 1956 numbered 3,381 for the Atlantic Provinces as a whole. These plants furnished employment to 55,774 persons who received \$178,707,950 in salaries and wages. They also shipped goods with a selling value at the factory of \$845,867,291 and spent \$464,478,173 for materials, while the value added by manufacture totalled \$353,904,067.

Considering the Atlantic Provinces as an economic unit, pulp and paper was the leading industry in 1956 with factory shipments valued at \$191,455,894. This was followed by fish processing with \$81,202,927, primary iron and steel \$51,321,212, sawmills \$44,251,499 and railway rolling stock \$33,758,676. These five industries accounted for 49 p.c. of the total value of factory shipments of the Atlantic Region. Other important industries, in order of value of factory shipments and with shipments valued at \$10,000,000 or more, were: petroleum products, sugar refining, butter and cheese, shipbuilding, bread and other bakery products, slaughtering and meat packing, sash, door and planing mills, miscellaneous food preparations, printing and publishing, prepared stock and poultry feeds, breweries, miscellaneous iron and steel products, and coke and gas products.

For the Atlantic Provinces as a whole there was an increase of 1.5 p.c. in the number of persons employed and 10.6 p.c. in the value of factory shipments in 1956 as compared with the previous year. Not all industries, however, shared in the advance. Of the leading industries, fish processing with a loss of 8.4 p.c. in the value of shipments reported the greatest decline. This was followed by sawmills with a drop of 4.9 p.c. and shipbuilding with a drop of 4.2 p.c. The majority of the leading industries with shipments of \$10,000,000 or more, however, reported increased shipments. The greatest gain of 97.4 p.c. was reported by the railway rolling stock industry, followed by primary iron and steel with 17.8 p.c. and pulp and paper 7.5 p.c. A notable feature of the 1956 manufacturing operations in the Atlantic Provinces was the expansion in the petroleum products industry in Nova Scotia, with shipments almost double the previous year.

Principal Statistics of the Atlantic Provinces, 1956

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			\$'000		
Newfoundland	783	10,502	30,463	55,452	62,608	123,691
Prince Edward Island	192	1,775	3,233	17,807	6,162	24,497
Nova Scotia	1,402	30,937	83,949	214,779	159,820	384,398
New Brunswick	1,004	22,560	61,063	176,440	125,314	313,281
Total	3,381	65,774	178,708	464,478	353,904	845,867

In the Atlantic region the program of industrial development has been more selective than in some of the other provinces. Fish processing, new sawmills, increased pulp-making capacity and the manufacture of non-metallic building materials like cement and gypsum products have accounted for well over half of the industrial growth. There are however, a few outstanding exceptions. Two sizeable defence plants have been established in Nova Scotia, one to repair and overhaul naval aircraft and the other to build and repair radar and related electronic equipment. Considerable development has taken place in Newfoundland. Besides plants for the manufacture of cement and gypsum wallboard and plaster, factories for producing boots and shoes, birch veneer, leather goods, industrial machinery and a leather tannery were established, thus broadening the industrial base of the province. With these exceptions, most of the developments in the Atlantic Provinces have been either small and scattered or confined to the modernization and expansion of manufacturing facilities that were already established at the close of World War II.

In spite of the rapid development in the Atlantic Provinces since 1949 manufacturing production did not quite keep pace with the development in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by a

slight drop in the Atlantic Provinces' share of the Canadian total from 4.52 in 1949 to 3.33 in 1956. In number of persons employed there was an increase of 2.4 per cent for the Atlantic Provinces as compared with an increase of 15.3 per cent for Canada as a whole. For salaries and wages paid the increase was 49.3 per cent as compared with 76.2 per cent for Canada, and in selling value of factory shipments the increase was 46.6 per cent for the Atlantic Provinces and 73.2 per cent for Canada as a whole.

Up to 1952 the increase in employment in the Atlantic Provinces was about the same as for Canada as a whole. Between 1953 and 1955, however, employment in the Atlantic Provinces declined by 6.0 p.c. while for Canada as a whole the decline was only 2.2 p.c. In 1956 the same situation prevailed. Employment in the Atlantic Provinces rose by 1.5 p.c. as compared with 1955, while for Canada as a whole the increase was 4.2 p.c. The increased employment since 1949 reported by Newfoundland, Prince Edward Island and Nova Scotia was offset by a drop 3.8 p.c. in New Brunswick, resulting in a net increase of only 2.4 p.c. for the Atlantic Provinces as compared with an increase of 15.3 p.c. for Canada. Selling value of factory shipments was 46.6 p.c. higher in the Atlantic Provinces while for Canada as a whole it was 73.2 p.c. higher.

Variation in Employment and Factory Shipments, 1956 Compared with 1949

Province	Employees	Salaries and wages	Selling value of selling shipments
	per cent		
Newfoundland ¹	+10.5	+66.3	+56.8
Prince Edward Island	+1.6	+51.6	+35.2
Nova Scotia	+5.5	+53.5	+55.3
New Brunswick	-3.8	+38.1	+35.3
Atlantic Provinces	+2.4	+49.3	+46.6
Canada	+15.3	+76.2	+73.2

¹ Exclusive of fish processing.

TABLE 5. Principal Statistics of the Leading Industries of Newfoundland, 1956

No.	Industries	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Pulp and paper ¹	2	3,369	16,434,551	28,030,105	35,444,029	68,085,288
2	Fish processing	44	2,838	4,710,364	10,146,784	8,294,199	18,279,005
3	Breweries	3	200	654,818	916,008	2,492,053	3,616,522
4	Sash, door and planing mills	25	278	727,223	2,144,379	1,154,613	3,344,673
5	Bread and other bakery products	14	285	748,366	1,840,282	1,370,857	3,296,717
6	Carbonated beverages	10	133	330,810	895,666	1,351,802	2,327,482
7	Sawmills	542	848	491,350	933,046	1,052,455	2,050,109 ²
8	Printing and publishing	6	270	855,912	428,501	1,577,876	2,035,272
9	Biscuits	3	155	309,540	635,519	605,176	1,247,118
10	Other leading industries ³	8	570	1,817,673	5,210,259	4,271,565	10,049,640
	Totals, leading industries	657	8,946	27,080,607	51,180,549	57,614,625	114,331,826
	Totals, all industries	783	10,502	30,462,735	55,451,956	62,607,709	123,691,344

¹ Publication of these figures was authorized by the firms concerned.² Reported on a production basis.³ Includes: Dairy products, n.e.s.; Cement, hydraulic; Gypsum products; Miscellaneous food preparations; Paints, varnishes and lacquers; Slaughtering and meat packing.

TABLE 6. Principal Statistics of the Leading Industries of Prince Edward Island, 1956

No.	Industries	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Butter and cheese	17	161	360,830	4,091,097	822,575	4,989,395
2	Fish processing	30	510	638,996	3,160,383	1,035,831	4,270,513
3	Feeds, stock and poultry, prepared	13	58	107,246	949,151	178,319	1,143,806
4	Fruit and vegetable preparations	10	119	119,116	700,039	268,880	1,049,581
5	Printing and publishing	3	156	357,890	152,860	574,215	743,722
6	Sawmills	61	112	103,016	239,520	259,285	510,451 ¹
7	Other leading industries ²	4	289	847,526	7,455,299	1,855,753	9,492,390
	Totals, leading industries	138	1,405	2,534,620	16,748,349	4,994,858	22,199,858
	Totals, all industries	192	1,775	3,233,404	17,806,842	6,161,628	24,497,245

¹ Reported on a production basis.² Includes: Bags, cotton and jute; Fertilizers; and Slaughtering and meat packing.

TABLE 7. Principal Statistics of the Leading Industries of Nova Scotia, 1956

No.	Industries	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Primary iron and steel	3	4,366	16,706,991	25,989,767	23,646,154	51,321,212
2	Fish processing	140	3,938	7,372,778	28,374,456	11,977,297	40,787,255
3	Pulp and paper	4	1,238	4,661,463	8,433,403	12,042,521	22,022,222
4	Shipbuilding	18	2,907	9,267,326	8,162,706	12,355,945	20,867,905 ¹
5	Sawmills	582	2,632	3,917,041	11,104,882	7,902,241	19,318,842 ¹
6	Butter and cheese	23	733	1,879,373	7,905,114	3,351,023	11,623,772
7	Miscellaneous iron and steel	3	782	2,409,339	5,304,226	4,859,505	10,237,173
8	Sash, door and planing mills	64	835	1,895,972	5,576,942	2,745,888	8,421,869
9	Bread and other bakery products	81	867	1,910,406	4,233,215	3,728,778	8,294,678
10	Printing and publishing	26	827	2,878,389	1,417,619	5,459,029	6,968,622
11	Knitted goods, other than hosiery	3	826	1,543,504	3,389,719	2,734,189	6,092,763
12	Feed, stock and poultry, prepared	16	102	212,306	3,665,239	857,756	4,548,566
13	Fruit and vegetable preparations	16	487	872,276	2,747,728	1,767,842	4,236,093
14	Carbonated beverages	29	280	705,784	1,348,092	2,567,754	4,063,592
15	Miscellaneous food preparations	11	207	406,694	2,409,425	1,488,744	3,942,349
16	Confectionery	5	902	1,556,083	2,826,005	963,991	3,893,136
17	Slaughtering and meat packing	5	62	162,728	2,035,000	713,138	2,768,715
18	All other leading industries ²	15	4,384	15,059,513	72,236,147	40,907,211	116,793,467
	Totals, leading industries	1,044	26,375	73,417,966	197,159,685	140,069,006	346,202,231
	Totals, all industries	1,402	30,937	83,948,510	214,779,069	159,820,242	384,398,103

¹ Reported on a production basis.² Includes: Breweries; Cotton yarn and cloth; Boxes and bags, paper; Bridge and structural steel; Wire and wire goods; Aircraft and parts; Railway rolling stock; Salt; Coke and gas products; and Petroleum products.

TABLE 8. Principal Statistics of the Leading Industries of New Brunswick, 1956

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number		dollars			
1	Pulp and paper	7	4,322	18,591,704	48,791,503	45,745,661	101,358,384
2	Sawmills	366	2,763	4,845,384	12,740,895	9,347,727	22,372,097 ¹
3	Fish processing	146	2,531	3,320,057	11,591,936	6,485,643	17,866,154
4	Miscellaneous food preparations	13	392	699,588	8,995,105	3,276,281	12,373,864
5	Slaughtering and meat packing	3	338	1,394,008	8,016,644	1,678,633	9,869,890
6	Butter and cheese	29	438	986,036	7,094,372	2,140,149	9,624,557
7	Bread and other bakery products	59	901	1,988,690	4,578,373	3,869,001	8,823,409
8	Sash, door and planing mills	61	764	1,805,301	5,590,735	2,339,882	8,103,250
9	Feeds, stock and poultry, prepared	14	190	440,206	6,170,987	1,074,898	7,321,443
10	Heating and cooking apparatus	3	700	2,032,192	2,750,618	3,750,193	6,558,879
11	Printing and publishing	20	634	1,809,646	914,261	3,248,667	4,235,509
12	Fertilizers	3	125	402,338	3,023,879	786,954	4,042,169
13	Boxes and bags, paper	8	198	496,915	1,860,634	1,093,692	3,008,907
14	Carbonated beverages	24	204	534,289	908,754	1,625,676	2,655,221
15	Confectionery	6	327	634,159	1,136,384	1,092,374	2,299,303
16	Footwear, leather	3	294	594,831	1,070,943	1,033,405	2,106,249
17	Sheet metal products	5	103	207,689	1,277,402	797,326	2,094,918
18	Other leading industries ²	12	4,733	14,025,380	39,042,295	25,594,197	66,541,754
	Totals, leading industries	782	19,957	54,808,413	165,555,720	114,980,359	291,255,957
	Totals, all industries	1,004	22,560	61,063,301	176,440,306	125,314,488	313,280,599

¹ Reported on a production basis.² Includes: Biscuits; Breweries; Brass and copper; Brooms, brushes and mops; Cement, hydraulic; Railway rolling stock; Synthetic textiles; Shipbuilding and Sugar refining.

SECTION 3. THE MANUFACTURES OF QUEBEC

Quebec with about 30 per cent of Canada's total selling value of factory shipments ranks as the second largest industrial province in Canada. The manufacturing industries of Quebec in 1956 shipped goods with a record selling value at the factory of \$6,322,502,699 and represents an increase of 11.8 p.c. over the previous year. Accompanying the increase in shipments was an increase of 3.9 p.c. in the number of persons employed which totalled 446,137. Although the value of factory shipments in 1956 was 22.9 p.c. higher than in 1953 the number of persons employed increased only by 1.0 p.c. This result conforms to the trend in recent years for employment to increase at a lower rate than volume of production. With the increase in automation and technological improvements this trend should continue even at a more accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 31.8 p.c. in the volume of production as compared with an increase of only 15.5 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no comparison can be made for Quebec. There is no doubt, however, that the volume of production in Quebec in 1956 was the highest on record.

The recovery in 1955 from the minor recession of 1954 continued at an accelerated pace in 1956. All groups reported higher value of shipments in 1956 as compared with the previous year. For the province as a whole the increase was 11.8 p.c. as compared with an increase of 10.9 p.c. for Canada. In employment too, all groups with the exception of three reported increases. Employment in the clothing group which provides work to the greatest number of workers was about the same as in 1955. Employment in the chemicals and allied products group was slightly lower, while the products of the petroleum and coal group reported a drop of 9.4 p.c. For manufacturing as a whole in Quebec there was an increase of 3.9 p.c. in the number of persons employed as compared with an increase of 4.2 p.c. for Canada.

Indexes of physical volume measure changes in production more accurately than any other indicators. Since such indexes are not available for provinces, changes in employment have to be considered as reflecting more or less the growth or decline of the various sectors of the manufacturing field. In comparing the changes in employment between the record high of

1953 with that of 1955 it is found that in spite of an increase of 22.9 p.c. in value of shipments for the province as a whole, employment went up only 1.0 p.c. during the same period. The greatest decline in employment since 1953 was reported by the transportation equipment group with a drop of 22.4 p.c. This was followed by products of petroleum and coal with a drop of 6.7 p.c., leather products 6.6 p.c., clothing 5.2 p.c., and textiles 3.0 p.c. All the other groups reported more employees in 1955 than in 1953. Of these, electrical apparatus and supplies with an increase of 18.3 p.c. reported the greatest expansion in production. This was followed by non-metallic mineral products with 17.1 p.c., paper products 14.5 p.c., printing, publishing and allied industries 9.8 p.c., rubber goods 9.5 p.c., non-ferrous metal products 6.4 p.c., miscellaneous industries 6.4 p.c., foods and beverages 5.0 p.c., iron and steel products 4.5 p.c., chemicals and allied products 2.6 p.c., knitting mills 2.1 p.c., wood products 2.1 p.c. and tobacco and tobacco products 1.4 p.c.

Quebec has developed its \$6.6 billion manufacturing output with such leading industries as pulp and paper, non-ferrous metal smelting and refining, petroleum products, slaughtering and meat packing, cotton yarn and cloth, men's and women's clothing, tobacco, cigars and cigarettes, synthetic textiles and silk, railway rolling stock, leather footwear and miscellaneous electrical apparatus. In common with the rest of Canada, Quebec experienced a great industrial expansion following the second World War. Nor was this expansion confined to the existing industrial areas, but spread to many towns and villages in the accessible areas of the province.

Quebec's leading industry is pulp and paper with an output of approximately \$618 million in 1955. Quebec is a principal world centre for the production of newsprint with 55 major pulp and paper plants concentrated in the Trois Rivières and Shawinigan Falls districts as well as along the Saguenay, Ottawa, and St. Lawrence rivers. The production of non-ferrous metals has expanded considerably during the past decade. The output of aluminum in Canada has made impressive strides during the past years and reached a record total of 620,321 tons in 1956. After the end of the war, with the disappearance of the demands for defense, surplus productive capacity appeared. New civilian uses were found to take up the slack, so that by 1948 the industry was producing 75 p.c. of its peak wartime output. To this has been added the defense demands created by the Korean war and in 1952 the peak level of production attained in 1943 has again been reached. Quebec, with its new furniture factories, its new titanium smelter and its expanded aluminum-making facilities, is challenging Ontario's long established lead in a number of the wood and non-ferrous metal products industries.

There are several important factors which contributed to the great industrial development of the Province. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where seagoing vessels of heavy tonnage can dock. There is also an extensive highway system linking the small rural areas to the big industrial centres. Other significant factors include abundant forest resources, water power, minerals, agricultural lands and, of even more importance, an industrious and stable population.

Quebec is the richest of the Canadian provinces in both developed and undeveloped waterpower resources. Its present installation, approaching 8,500,000 h.p., is more than 45 p.c. of the Canadian total. The Quebec Hydro-Electric Commission's Beauharnois development on the St. Lawrence river, with present capacity of 1,408,000 h.p., is to be expanded to a capacity of more than 2,000,000 h.p. The Shipshaw plant of the Aluminum Company of Canada on the Saguenay River is rated at 1,200,000 h.p. On the St. Maurice River, the Shawinigan Water and Power Company operates seven hydro-electric plants with a total capacity of 1,695,000 h.p. Up to 1955, two of these developments were the largest in the country. The completion of the Sir Adam Beck-Niagara Generating Station No. 2 on the Niagara River which raised the combined capacity of Stations Nos. 1 and 2 to 1,820,000 makes it the largest single installation in Canada.

Two of the most important industrial developments in Quebec today are the Ungava iron ore project and the new titanium industry. With the exploitation of the Ungava iron deposits on which it is believed, the future of the great steel industries of this Continent rests. Quebec's industrial base is being expanded to the point where the future industrial development of this Province is well assured.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position. Fifty years ago this industry had hardly come into existence in the Province and in the mid-1920's the annual gross value of production had not yet reached \$100,000,000. By the end of 1956 it accounted for about 9 p.c. of the gross value of Quebec's manufactures and for about 42 p.c. of the Canadian total for this industry. Other large Canadian industries in which Quebec predominates are: tobacco, cigars and cigarettes 93.1 p.c. of the Canadian total; women's factory clothing 89.9 p.c., cotton yarn and cloth 97.7 p.c., men's factory clothing 56.2 p.c., synthetic textiles and silk 51.8 p.c., miscellaneous electrical apparatus and supplies 46.5 p.c., non-ferrous metal smelting and refining 43.7 p.c., pulp and paper 42.5 p.c., railway rolling stock 42.0 p.c., miscellaneous chemical products 40.3 p.c., brass and copper products 40.1 p.c., acids, alkalies and salts 39.8 p.c., aircraft and parts 37.1 p.c., and petroleum products 35.0 p.c. Two medium-sized industries with Canada shipments of over \$100,000,000 also predominated in Quebec. These were leather footwear with 57.8 p.c. and medicinal and pharmaceutical preparations 47.1 p.c.

Quebec also predominates in a large number of the smaller industries. The candle industry contributed 95.2 p.c. of the Canadian total, men's clothing contractors 93.7 p.c., women's clothing contractors 82.2 p.c., cotton thread 79.5 p.c., children's clothing 76.9 p.c., embroidery, pleating and hemstitching 76.0 p.c., oiled and waterproofed clothing 75.3 p.c., dyeing and finishing of textiles 75.2 p.c., oilcloth, linoleum and other coated fabrics 73.0 p.c., narrow fabrics 72.6 p.c., fur dressing and dyeing 72.3 p.c., process cheese 70.9 p.c., lasts, trees and shoe findings 59.8 p.c., boot and shoe findings, leather 68.8 p.c., artificial flowers and feathers 67.8 p.c., miscellaneous clothing 67.4 p.c., miscellaneous textiles 61.4 p.c., fur goods 59.6 p.c., corsets 58.5 p.c., buttons, buckles and fasteners 51.6 p.c., asbestos products 50.5 p.c., woollen cloth 38.4 p.c., etc.

Manufacturing establishments reporting in 1955 numbered 12,112. These plants furnished employment to 446,137 persons who received \$1,396,414,564 in salaries and wages. They also shipped goods with a selling value at the factory of \$6,522,502,699 and spent \$3,605,521,666 for materials. The value added by manufacture totalled \$2,888,148,758.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products. The figures for value added in 1954 and 1955 are, therefore, comparable with 1951 and prior years.

TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1956

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number		dollars			
1	Pulp and paper	56	28,698	128,499,398	265,565,971	308,041,729	617,986,409
2	Non-ferrous metal smelting and refining.	10	11,922	48,072,349	390,496,486	185,842,373	610,354,584 ¹
3	Petroleum products	8	2,803	13,632,244	272,981,751	150,408,254	438,753,511 ¹
4	Miscellaneous electrical apparatus and supplies	43	14,196	54,255,517	92,111,341	98,835,599	182,939,412
5	Slaughtering and meat packing	40	5,081	17,297,167	143,749,886	26,806,404	172,597,212
6	Clothing, women's factory	432	17,167	40,827,221	95,385,604	71,919,745	166,180,661
7	Cotton yarn and cloth	21	14,133	38,302,322	101,498,550	55,896,351	159,904,697
8	Tobacco, cigars and cigarettes	23	7,236	24,643,322	84,220,983	73,085,989	157,838,470
9	Clothing men's factory	315	16,831	38,702,864	91,884,505	62,220,638	152,919,664
10	Railway rolling stock	7	12,596	44,570,606	85,940,415	56,853,194	145,052,697 ¹
11	Aircraft and parts	24	12,643	52,036,156	43,123,506	86,936,528	131,405,109 ¹
12	Butter and cheese	614	5,058	12,558,257	102,762,408	25,254,862	131,122,282
13	Miscellaneous food preparations	83	2,675	8,312,142	71,622,744	33,371,072	105,457,911
14	Machinery, industrial	56	8,292	32,229,377	44,860,545	63,307,915	102,460,691
15	Furniture	627	11,468	30,520,718	50,434,014	50,669,003	101,061,088
16	Brass and copper products	40	2,952	11,261,272	74,305,581	23,627,385	97,915,790
17	Sawmills	1,499	9,571	17,949,787	58,708,315	36,997,202	96,712,360 ¹
18	Miscellaneous chemical products n.e.s.	82	6,607	23,036,743	54,424,831	34,036,143	91,189,367
19	Bread and other bakery products	934	10,464	24,849,451	42,834,161	40,800,264	86,893,668
20	Synthetic textiles and silk	32	10,178	29,729,378	40,963,469	38,708,115	83,436,694
21	Footwear, leather	152	12,069	26,425,031	39,324,670	39,370,851	78,987,408
22	Acids, alkalies and salts	15	3,835	17,219,123	37,988,226	34,449,680	77,001,898
23	Boxes and bags, paper	64	5,158	14,690,309	48,431,711	27,929,591	76,190,773
24	Feeds, stock and poultry prepared	296	1,988	4,828,911	58,015,293	13,799,030	72,538,441
25	Primary iron and steel	15	4,273	16,938,168	25,111,454	43,405,627	71,614,798
26	Printing and publishing	78	6,833	25,820,190	21,136,278	49,653,185	71,294,036
27	Sheet metal products	88	4,996	17,942,944	35,322,914	34,706,836	69,736,517
28	Rubber goods, including footwear	35	6,877	20,706,605	28,771,073	37,322,772	65,052,656
29	Bridge and structural steel work	14	4,564	18,991,443	36,252,157	27,868,150	64,717,867 ¹
30	Printing and bookbinding	612	7,586	24,234,007	22,629,635	39,629,892	62,704,470
31	Breweries	5	2,669	11,365,588	15,944,804	47,322,916	62,067,744
32	Shipbuilding and repairs	11	7,444	26,818,703	25,575,532	35,180,101	61,427,966 ¹
33	Sash, door and planing mills	778	5,803	13,642,454	35,974,546	24,830,713	61,033,303
34	Medicinal and pharmaceutical preparations	92	3,779	12,999,651	18,756,187	38,143,891	57,691,174
35	Distilled liquors	8	2,408	8,919,672	18,622,636	35,901,664	54,813,918
36	Telecommunication equipment	26	6,661	22,423,306	27,265,819	27,039,512	53,023,760
37	Wire and wire goods	37	3,150	12,316,167	31,032,989	21,758,396	52,288,031
38	Carbonated beverages	185	2,827	8,281,387	14,870,549	33,114,192	49,064,509
39	Castings, iron	53	4,153	14,733,941	23,337,525	25,188,283	47,384,025
40	Concrete products	200	3,206	9,812,483	23,375,029	22,291,007	46,895,724
	Totals, leading industries, listed²	7,710	310,850	1,020,396,374	2,795,614,093	2,182,504,854	5,087,711,385
	Totals, all industries	12,112	446,137	1,396,414,564	3,605,521,666	2,888,148,758	6,622,502,699

¹ Reported on a production basis.² Sugar refining is also a leading industry. Statistics, however, are confidential.

SECTION 4. THE MANUFACTURES OF ONTARIO

The manufacturing industries of Ontario in 1956 reported \$10,555,098,620 as the selling value of factory shipments, an increase of 10.8 p.c. over the previous year. This is the first time that shipments passed the ten billion mark and accordingly are the highest on record. Accompanying the increase in shipments was an increase of 4.5 p.c. in the number of employees which totalled 641,190 in 1956. Although the selling value of factory shipments in 1955 and 1956 exceeded the previous high reported in 1953 by 20 p.c., the number of persons employed was only 6,636 or 1.0 p.c. higher. This result conforms to the trend in recent years for employment to increase at a lower rate than volume of production. With the increase in automation and technological improvements this trend should continue at a more accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 31.8 p.c. in the volume of production as compared with an increase of only 15.5 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no comparison can be made for Ontario. There is no doubt, however, that the volume of production in Ontario in 1956 was the highest on record.

As Ontario is a major producer of durable goods, such as transportation equipment, primary iron and steel, telecommunication equipment and heavy electrical machinery, it therefore experiences wider fluctuations in manufacturing production than provinces producing nondurable or consumer goods. As a result, the small downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 p.c. lower as compared with a drop of 1.3 p.c. for Canada as a whole, while in employment the drop in Ontario was 5.6 p.c. while for Canada it was 4.5 p.c. Conversely, with the improvement during the past two years Ontario in 1956 reported an increase of 24.9 p.c. in factory shipments and 7.1 p.c. in employment as compared with 1954. This compares with increases of 23.3 p.c. and 6.7 p.c. for Canada as a whole.

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the decisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable advantage of bordering on the St. Lawrence-Great Lakes waterway system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity. Many new industrial areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1956 produced about 49 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments at Steep Rock Iron Mines. At Sarnia, huge investments have gone into the construction of new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber, synthetic textiles, and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, while chemical and synthetic textile plants have been rising in the vicinity of Sarnia and along the lower reaches of the St. Lawrence River Between Cornwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of motor vehicles, motor vehicle parts, heavy electrical machinery, agricultural implements, machine tools, starch and glucose, bicycles and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1956, a substantial number of them were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1956 Canada totals are as follows: motor vehicles 98.8, motor vehicle parts 95.4, heavy electrical machinery 89.7, rubber goods 81.5, primary iron and steel 78.1, telecommunication equipment 76.7, iron castings 71.9, fruit and vegetable preparations 67.4, sheet metal products 59.7, wire and wire goods 58.4, aircraft and parts 58.1, industrial machinery 57.4, printing and bookbinding 57.3, brass and copper products 55.1, miscellaneous chemical products 54.6, acids, alkalies and salts 53.0, boxes and bags, paper 52.0, miscellaneous electrical apparatus 50.6, furniture 49.7, printing and publishing 48.7, synthetic textiles 44.9, and stock and poultry feeds 44.3.

There are also a number of medium-sized industries with a total Canadian production of over \$100,000,000 in which Ontario dominated. Agricultural implements with 90.5 p.c., soaps and washing compounds 88.5 p.c., household and office machinery 80.0 p.c., refrigerators, vacuum cleaners, etc. 79.3 p.c., hardware, tools and cutlery 72.3 p.c., heating and cooking apparatus 68.7, and confectionery 57.2 p.c. were in this category.

In addition Ontario dominated many of the smaller industries in 1956 as is indicated by the following percentages of the Canadian total. In this category were: machine tools 100.0, tobacco processing and packing 93.8, bicycles and parts 92.9, non-ferrous metal products 92.3, prepared breakfast foods 90.5, automobile accessories, fabric 88.6, wine 88.1, typewriter supplies 86.5, leather tanneries 84.3, artificial abrasives 83.8, cordage, rope and twine 77.5, sporting goods 76.0, carpets, mats and rugs 75.7, batteries 73.1, white metal alloys 72.8, jewellery and silverware 71.9, toys and games 71.5, wool yarn 70.2, feed mills 69.9, aluminum products 64.8, animal oils and fats 61.3, boilers, tanks and plate work 55.3, knitted goods, other than hosiery 47.9, hosiery 44.3, etc.

Establishments reporting in 1956 numbered 13,215. They furnished employment to 641,190 persons who were paid \$2,310,334,395 in salaries and wages, and spent \$5,983,753,088 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$4,868,570,251, while the selling value of factory shipments totalled \$10,555,098,620.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products and goods in process. The figures for value added since 1954 are, therefore, comparable with 1951 and prior years.

TABLE 10 Principal Statistics of the Forty Leading Industries, of Ontario 1956

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Motor vehicles	9	34,239	146,427,948	691,146,202	293,018,027	976,395,839
2	Non-ferrous metal smelting and refining	9	10,985	47,779,018	300,682,938	233,785,554	554,055,630 ¹
3	Primary iron and steel	18	25,654	122,151,730	239,452,056	271,173,067	531,684,074
4	Pulp and paper	41	20,316	91,289,800	188,607,891	227,429,017	441,628,702
5	Petroleum products	13	5,480	26,206,838	214,388,049	130,759,078	357,663,026 ¹
6	Slaughtering and meat packing	55	9,050	34,674,321	259,163,528	71,161,876	332,270,861
7	Motor vehicle parts	116	20,096	77,735,398	170,269,794	146,647,126	314,359,075
8	Rubber goods, including footwear	48	16,191	61,228,450	131,739,169	160,856,206	289,917,252
9	Machinery, heavy, electrical	53	21,524	88,050,963	102,757,112	149,083,838	234,826,366
10	Aircraft and parts	24	19,868	83,964,069	90,764,813	112,784,782	206,140,322 ¹
11	Miscellaneous electrical apparatus and supplies ..	99	11,846	43,792,121	105,982,193	97,081,939	199,296,354
12	Machinery, industrial	199	14,884	58,168,311	83,573,849	112,795,141	189,129,281
13	Telecommunication equipment	87	14,141	48,068,638	106,947,987	89,184,545	187,796,572
14	Sheet metal products	196	11,914	45,269,455	97,323,294	80,644,750	176,746,722
15	Castings, iron	92	11,238	44,811,331	90,009,054	85,264,991	175,425,420
16	Fruit and vegetable preparations	196	10,518	27,019,988	98,383,729	68,127,594	168,448,987
17	Butter and cheese	435	7,371	23,289,441	108,385,356	37,837,876	149,641,307
18	Printing and publishing	292	14,455	57,514,583	41,488,680	105,944,540	148,546,386
19	Furniture	750	16,071	48,514,237	71,754,730	75,818,420	147,883,962
20	Brass and copper products	87	5,368	20,575,710	92,894,966	40,439,412	134,380,898
21	Miscellaneous food preparations	110	4,598	15,541,193	85,865,402	46,423,486	133,449,970
22	Bread and other bakery products	849	15,000	41,769,848	60,786,551	63,282,436	128,404,739
23	Printing and bookbinding	787	13,319	45,417,696	48,260,677	78,539,003	127,157,891
24	Boxes and bags, paper	106	7,988	26,542,918	76,611,310	48,720,201	125,459,373
25	Miscellaneous chemical products n.e.s.	126	5,110	20,454,971	56,821,390	61,057,157	123,684,015
26	Refrigerators, vacuum cleaners and appliances	56	7,543	27,816,756	59,177,399	65,385,621	118,501,819
27	Railway rolling stock	12	6,268	24,043,600	72,620,287	42,007,232	115,658,339 ¹
28	Hardware, tools and cutlery	284	10,939	39,373,343	44,161,133	71,854,079	115,247,984
29	Agricultural implements	28	8,861	33,686,124	58,215,977	46,659,425	111,059,789
30	Miscellaneous paper goods, n.e.s.	109	6,858	22,987,164	61,613,827	44,826,387	107,441,315
31	Machinery, household, office and store	46	6,623	24,009,686	51,697,020	52,849,315	102,657,248
32	Acids, alkalies and salts	25	4,701	20,700,570	42,729,113	52,623,051	102,505,807
33	Feeds, stock and poultry, prepared	342	2,998	8,093,784	73,562,280	22,982,500	97,808,676
34	Soaps, washing compounds and cleaning pre- parations	68	3,031	12,535,500	40,875,170	55,754,121	96,798,597
35	Wire and wire goods	73	6,153	24,354,384	50,420,668	44,447,045	93,668,886
36	Flour mills	44	1,792	6,054,182	74,263,823	12,604,808	87,497,208
37	Breweries	21	3,342	14,933,441	22,369,678	62,808,904	86,719,251
38	Heating and cooking apparatus	60	5,976	22,271,554	47,007,139	39,807,767	84,917,640
39	Clothing, men's factory	143	10,429	26,135,167	40,860,104	39,900,041	80,155,925
40	Bridge and structural steel work	25	5,253	22,847,100	33,985,874	40,936,569	75,675,460 ¹
	Totals, leading industries	6,133	437,991	1,676,101,331	4,387,620,182	3,583,306,927	8,030,710,968
	Totals, all industries	13,215	641,190	2,310,634,396	5,683,753,088	4,868,570,251	10,655,098,620

¹ Reported on a production basis.

SECTION 5. THE MANUFACTURES OF THE PRAIRIE PROVINCES

The leading industries of the Prairie Provinces are those based on agricultural resources—grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor vehicles and power machinery on farms has given rise to petroleum refineries in each province. This industry has made tremendous strides in the Prairie Provinces since 1949. At that time it ranked third in importance, being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. In 1956 it assumed the premier position in the Prairie Provinces in selling value of factory shipments. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 16.5 p.c. in 1956. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water power, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues to be played by agriculture, both oil and mineral wealth are being developed.

Considering the Prairie Provinces as an economic unit, petroleum products, as was mentioned before, had the largest value of factory shipments in 1956, amounting to \$272,367,057, followed closely by slaughtering and meat packing with \$264,886,950, flour mills \$99,572,619, butter and cheese \$94,256,285 and railway rolling stock \$50,364,723. These five industries accounted for about 47 p.c. of the total value of factory shipments of the Prairie Provinces. Other leading industries, in order of value of factory shipments and with shipments of \$15,000,000 or more were: bread and other bakery products, printing and publishing, breweries, bridge and structural steel, men's factory clothing, sash, door and planing mills, miscellaneous food preparations, furniture, sawmills, sheet metal products, concrete products, printing and bookbinding, sugar refining, hydraulic cement, prepared stock and poultry feeds, pulp and paper, primary iron and steel, and carbonated beverages. Non-ferrous metal smelting and refining is also a major industry in the Prairie Provinces. Information concerning it cannot, however, be published without disclosing the operations of individual establishments.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1956 power installation in the three Provinces totalled only

1,191,745 h.p. or about 6 p.c. of the Canadian total, Manitoba had 796,900 h.p., Saskatchewan 109,835 h.p. and Alberta 285,010 h.p. With the present developments of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development. Manitoba has more water-power resources and has developed them to a greater extent than either of the other Prairie Provinces. Practically all the developed sites are located on the Winnipeg River. These supply not only Winnipeg and its suburban areas but, also more than 400 municipalities and a large part of rural areas of southern Manitoba where farm electrification is a primary objective. In Saskatchewan, water-power development is confined to the northern mining districts. The southern portions of Saskatchewan and Alberta are lacking in water-power resources but have fuel reserves. In Alberta, present developments are located in the Bow River basin and serve Calgary and numerous other municipalities between the International Boundary and the area north of Edmonton.

In the Prairie Provinces, the nature of developments vary from one province to another. Alberta has moved to the forefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth, they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture of other new inorganic products like caustic soda and chlorine. Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines. The largest gains, for instance, have been recorded in food processing. The manufacture of building materials, including non-metallic mineral products and lumber, has also increased. However, the largest

single gain in employment has been in the refining of prairie oil for local use.

Although Manitoba experienced considerable development in manufacturing production since 1949, it did not, percentage-wise, keep pace with the other two Prairie Provinces. The change was not so much in the magnitude but rather in the nature of manufacturing production. The emphasis has shifted from the production of food and clothing to the production of products of mineral origin, such as iron and steel, non-metallic mineral products and products of petroleum and coal. There was also a wider diversification of products as is evidenced by the increase of 258 employees in the miscellaneous group. For manufacturing as a whole the increase in the number of persons employed totalled 865. The largest increase of 768 was reported by the iron and steel group. The non-metallic mineral products group with 511 reported the second largest increase, followed by electrical apparatus and supplies with 416, products of petroleum and coal 344, miscellaneous industries 258 and paper products 167. Only three groups reported major declines in employment: foods and beverages 704, clothing, including knitting mills 577 and wood products 170. The foods and beverages group which in 1949 accounted for 25 p.c. of the employment in manufacturing, accounted for only 23 p.c. of the total in 1956. The foods and beverages group with 9,922 employees was still in first place in 1956 as an employer of labour. This was followed by transportation equipment with 6,604, clothing 5,728, iron and steel products 5,542, printing and publishing 3,793 and wood products 3,033. These six groups accounted for 81 p.c. of the manufacturing employment in Manitoba.

According to Table 1, manufacturing establishments in 1956 numbered 4,303 for the Prairie Provinces as a whole. These plants furnished employment to 91,149 persons who received \$290,384,459 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,543,781,413 and spent \$955,034,201 for materials, while the value added by manufacture totalled \$669,477,007.

Principal Statistics of the Prairie Provinces, 1956

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			\$'000		
Manitoba	1,534	42,821	133,506	367,025	270,018	647,389
Saskatchewan	798	11,536	36,683	176,871	113,528	298,203
Alberta	1,971	36,792	120,195	412,138	285,831	703,189
Total	4,303	91,149	290,384	956,034	669,477	1,648,781

In spite of the rapid development in the Prairie Provinces since 1939, manufacturing production did not keep pace with the developments in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by the slight drop in the Prairie Provinces' share of the Canadian total from 8.13 p.c. in 1939 to 7.91 p.c. in 1953. In 1954 conditions were reversed. The Prairie Provinces reported an increase of 1.4 p.c. in the value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. As a result of this the Prairie Provinces' share of the Canadian

total was again 8.13 p.c., the same as in 1939. In 1955 and 1956, however, the situation deteriorated again with the percentage of the total dropping to 7.52.

According to the table below, Manitoba and Saskatchewan did not keep pace with manufacturing developments in Canada as a whole. Alberta on the other hand fared much better. Compared with 1949 employment increased by 39.2 p.c. and value of factory shipments by 89.0 p.c. This compares with increases for Canada as a whole of 15.5 p.c. and 73.4 p.c. respectively.

Variation in Employment and Factory Shipments, 1956 Compared with 1949

Province	Employees	Earnings	Selling value of factory shipments
		per cent	
Manitoba	+ 2.1	+ 55.1	+36.4
Saskatchewan	+ 6.4	+ 61.3	+38.2
Alberta	+39.2	+118.1	+89.0
Prairie Provinces	+15.1	+ 77.1	+55.2
Canada	+15.5	+ 76.3	+73.4

TABLE 11. Principal Statistics of the Leading Industries of Manitoba, 1956

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
		number			dollars		
1	Slaughtering and meat packing	13	3,196	11,834,164	76,670,429	24,416,035	101,465,534
2	Petroleum products	5	512	2,544,659	32,193,237	19,805,919	53,941,998 ¹
3	Railway rolling stock	4	4,956	17,396,498	17,285,936	15,871,178	33,661,632 ¹
4	Butter and cheese	69	1,273	3,647,253	21,071,352	6,438,077	28,014,515
5	Flour mills	7	579	1,669,470	20,906,966	4,129,988	25,141,602
6	Clothing, men's factory	53	2,809	6,173,404	13,690,442	9,750,837	23,361,450
7	Miscellaneous food preparations	23	564	1,843,288	14,460,279	5,176,756	19,889,457
8	Furniture	126	1,787	5,098,222	10,573,864	7,924,888	18,832,860
9	Printing and publishing	78	1,951	6,040,072	5,102,583	11,962,789	17,154,605
10	Pulp and paper	3	582	2,597,630	5,725,724	9,734,993	16,696,382
11	Bread and other bakery products	144	1,785	4,873,406	7,009,939	7,776,206	15,357,512
12	Clothing, women's, factory	24	1,521	3,883,420	7,232,409	5,343,306	12,597,053
13	Sheet metal products	26	1,026	3,339,609	7,123,296	5,759,599	12,560,115
14	Breweries	6	598	2,482,849	2,269,158	9,228,241	11,617,482
15	Printing and bookbinding	82	1,249	4,009,438	3,352,189	6,804,511	10,250,733
16	Boxes and bags, paper	10	603	1,943,546	5,832,725	3,338,683	9,084,247
17	Feeds, stock and poultry, prepared	36	244	655,020	6,015,539	1,764,985	7,845,762
18	Agricultural implements	15	490	1,492,451	4,972,987	2,515,440	7,508,539
19	Miscellaneous iron and steel products	11	682	2,471,468	4,158,690	4,114,227	7,435,050
20	Bags, cotton and jute	3	207	539,739	5,245,724	1,113,084	6,337,598
21	Paints, varnishes and lacquers	5	251	708,784	3,115,581	2,624,393	5,716,591
22	Carbonated beverages	22	373	1,115,368	2,085,750	3,441,450	5,673,275
23	Concrete products	11	310	954,984	3,175,106	2,009,391	5,194,459
24	Other leading industries ²	10	3,866	14,591,115	27,165,377	41,545,401	72,804,795
	Totals, leading industries	786	31,414	101,905,857	306,435,282	212,590,377	528,143,246
	Totals, all industries	1,534	42,821	133,505,971	367,024,766	270,017,554	647,389,185

¹ Reported on a production basis.² Includes; Aircraft and parts, Bridge and structural steel work, Cement, hydraulic, Gypsum products, Non-ferrous metal smelting and refining, Primary iron and Steel, and Sugar refining.

TABLE 12. Principal Statistics of the Leading Industries of Saskatchewan, 1956

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
		number			dollars		
1	Petroleum products	10	1,218	5,330,747	54,342,324	28,408,987	86,090,448 ¹
2	Flour mills	9	752	2,543,293	35,569,638	6,119,615	42,062,532
3	Slaughtering and meat packing	8	1,160	4,138,668	22,192,975	8,982,156	31,334,254
4	Butter and cheese	57	1,266	3,543,465	20,625,949	7,035,601	28,017,342
5	Bread and other bakery products	98	1,151	3,137,686	4,592,918	5,492,188	10,406,524
6	Breweries	5	345	1,402,380	2,036,931	7,304,965	9,576,313
7	Printing and publishing	96	1,175	3,488,611	2,279,660	6,394,607	8,824,671
8	Sash, door and planing mills	33	417	1,211,688	2,227,843	2,060,403	4,290,522
9	Carbonated beverages	24	238	660,060	1,499,054	2,333,238	3,992,141
10	Sheet metal products	6	267	815,412	2,788,219	1,149,889	3,918,958
11	Sawmills	164	430	596,450	1,196,787	1,252,213	2,519,096 ¹
12	Concrete products	19	205	640,901	1,318,687	1,165,659	2,350,174
	Totals, leading industries listed above²	529	8,624	27,509,361	150,670,985	77,699,521	233,382,975
	Totals, all industries	798	11,536	36,683,383	176,871,188	113,627,642	298,203,489

¹ Reported on a production basis.² Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

TABLE 13. Principal Statistics of the Leading Industries of Alberta, 1956

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Petroleum products	17	2,041	9,280,495	76,445,714	51,877,453	132,334,611 ¹
2	Slaughtering and meat packing	15	3,961	14,182,645	105,710,535	26,383,993	132,087,162
3	Butter and cheese	98	1,901	5,452,281	28,709,749	8,754,907	38,224,428
4	Flour mills	11	720	2,080,789	26,365,279	6,078,967	32,368,485
5	Sash, door and planing mills	112	1,832	5,244,067	12,977,672	8,047,384	21,218,632
6	Sawmills	603	2,641	4,958,395	9,516,569	10,469,675	20,503,303 ¹
7	Bread and other bakery products	144	1,881	5,303,927	7,383,661	9,385,836	17,235,493
8	Breweries	6	547	2,065,007	3,285,162	11,880,754	15,449,414
9	Bridge and structural steel work	5	951	3,717,179	8,710,245	6,564,428	15,339,895 ¹
10	Printing and publishing	79	1,398	4,428,370	3,617,345	10,567,876	14,275,493
11	Concrete products	35	754	2,592,014	7,649,347	5,829,374	13,834,482
12	Acids, alkalies and salts	3	409	2,159,755	2,881,619	7,350,508	10,286,183
13	Cement, hydraulic	3	440	1,685,190	1,680,734	6,799,124	9,715,485 ¹
14	Miscellaneous food preparations	14	266	784,101	6,121,753	2,655,399	9,100,670
15	Feeds, stock and poultry, prepared	47	272	752,214	6,501,688	2,097,839	8,622,220
16	Machine shops	70	889	3,365,519	3,085,070	5,334,916	8,534,374
17	Sheet metal products	18	568	1,694,120	5,067,856	3,741,842	8,363,548
18	Clothing, men's, factory	10	803	1,903,758	4,421,535	3,554,775	7,742,121
19	Printing and bookbinding	82	940	3,076,336	2,194,359	4,601,936	6,864,197
20	Furniture	81	687	1,920,022	3,380,028	3,242,737	6,644,039
21	Boxes and bags, paper	6	342	1,229,932	3,864,969	2,562,001	6,415,870
22	Boilers, tanks and platework	10	340	1,264,092	3,903,373	2,868,696	6,295,085
23	All other leading industries ²	10	3,942	15,045,089	32,894,207	31,190,626	62,234,867
	Totals, leading industries	1,479	28,525	94,185,297	366,368,469	231,841,046	603,690,057
	Totals, all industries	1,971	36,792	120,195,105	412,138,247	285,830,811	703,188,739

¹ Reported on a production basis.² Includes; Fertilizers, Non-ferrous metal smelting and refining, Primary plastics, Railway rolling stock, and Sugar refining.

SECTION 6. THE MANUFACTURES OF BRITISH COLUMBIA

British Columbia, with factory shipments valued at \$1,859,368,456, ranked third among the provinces in manufacturing production. In spite of the rapid industrialization of other provinces, British Columbia succeeded in increasing its share of the total Canadian output. This is reflected in the increase in the total from 7.1 p.c. in 1939 to 8.6 p.c. in 1956.

Forest resources, fisheries, minerals and electric power have given a broad base and wide diversification to its industrial development. While Ontario and Quebec have an outstanding predominance in each of the major industrial groups of the Standard Industrial Classification, in the production of wood products, however, British Columbia with 42 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 22 p.c. of the total.

Emphasizing the importance of the forests in the industrial life of the Province, the sawmilling industry ranked first with a gross value of factory shipments of \$397,934,856, and pulp and paper second with \$184,526,395. Third in importance was the petroleum products industry with factory shipments valued at \$123,235,472. This industry received a great impetus in the completion of the Trans-Mountain oil pipeline. In 1953, with

shipments valued at \$40,562,462 it ranked seventh, and contributed about 3 p.c. to the total value of factory shipments of the Province. In 1954 it assumed third place with the proportion of the total increasing to 5.5 p.c., with a further increase to 6.6 p.c. in 1956. In fourth place was veneer and plywood with \$87,532,258 while in fifth place was fish processing, based principally on the estuarial salmon fisheries. This industry was in third place in 1953. British Columbia accounted for approximately 48 p.c. of the output of the fish processing industry in 1953 and plays a large part in making Canada the largest fish exporting nation in the world. Other important industries are: sash, door and planing mills, slaughtering and meat packing, miscellaneous food preparations, shipbuilding, fertilizers, printing and publishing, butter and cheese, fruit and vegetable preparations, bridge and structural steel, etc. The non-ferrous metal smelting and refining industry also ranks high among the leading industries. Information, however, cannot be published as there are less than three smelters located in the province.

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres. Growing lines of communication and transportation are fanning out from and leading into formerly locked

interior communities to tap a vast new potential and offer new sources of provincial economic unity and strength. Factories and plants in remote sections are drawing greater value in employment and dollars from natural resources. The growth of the province industrially may be indicated by the increase in employment which is two and one-half times the pre-war figure. In dollar terms, gross value of manufacturing is also up 750 p.c. since 1939. The consumption of 6.5 billion kwh of electric power by manufacturers during 1955 marks a steady upward climb of 200 per cent in the past decade.

British Columbia ranks second among the provinces in available water-power resources and its hydraulic development which at the end of 1953 totalled 2,566,430 h.p., out of a Canadian total of 18,403,048 h.p., is exceeded only by Quebec and Ontario. Present developments are practically all located in the southern part of the province in the Fraser and Columbia River Basins. The Aluminum Co. of Canada is making excellent progress in its great Kemano-Kitimat scheme, involving diversion of the head-waters of the Fraser River through the coastal range by a ten-mile tunnel to an underground powerhouse. The highlight of hydro-electric construction in 1955 was the completion of the first stage of this project. The first four turbines, each of 150,000 h.p. were brought into operation. A fifth unit of 150,000 h.p. is scheduled for completion in 1957, and the ultimate capacity is expected to be about 2,000,000 h.p. This power will be used in the production of aluminum which is a new product for British Columbia. Present capacity of the

smelter is 90,000 tons of aluminum per annum, with a potential of 550,000 tons, a production which will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1956 numbered 4,393. These plants furnished employment to 108,595 persons who received \$393,869,383 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,859,368,466 and spent \$1,007,882,346 for materials, while the value added by manufacture totalled \$824,249,273.

The manufacturing industries of British Columbia expanded during 1954, at a time when the rest of Canada experienced a minor recession. For Canada as a whole there was a drop of 4.5 p.c. in the number of employees and 1.3 p.c. in the value of shipments. British Columbia was the only province in 1955 reporting increased employment, the increase being 2.2 p.c. Although British Columbia was not the only province to report increased shipments that year, the increase of 7.9 p.c. was, however, the highest of any province. In common with other provinces, manufacturing in British Columbia continued to expand during 1955 and 1956. Of all provinces British Columbia reported the greatest increase in employment and value of factory shipments. Since 1953 employees were 15.7 p.c. higher as compared with an increase of only 1.9 p.c. for Canada, while the value of factory shipments were 36.0 p.c. higher for British Columbia and 21.7 p.c. for Canada as a whole.

TABLE 14. Principal Statistics of the Leading Industries of British Columbia, 1956

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Sawmills	1,746	30,295	102,513,109	213,771,245	178,630,187	397,934,856 ¹
2	Pulp and paper	12	7,386	35,248,286	79,557,505	97,235,818	184,526,395
3	Petroleum products	5	1,307	6,507,873	72,415,680	47,475,305	123,235,472 ¹
4	Veneer and plywood	17	6,050	22,301,157	45,810,977	42,792,191	87,532,258
5	Fish processing	55	3,334	10,171,347	46,879,193	42,912,348	81,979,253
6	Sash, door and planing mills	221	4,002	13,248,196	52,398,688	23,487,412	76,412,294
7	Slaughtering and meat packing	12	1,555	6,003,952	44,503,876	9,559,586	54,667,475
8	Miscellaneous food preparations	42	875	2,560,020	37,974,817	9,487,612	47,398,782
9	Shipbuilding	22	4,643	19,752,840	11,633,194	30,183,071	42,290,932 ¹
10	Fertilizers	5	1,179	5,217,234	12,917,576	18,822,008	34,596,322
11	Printing and publishing	88	3,197	12,779,420	7,438,267	23,523,901	31,174,985
12	Butter and cheese	27	1,934	6,713,947	19,317,242	10,170,544	29,997,664
13	Fruit and vegetable preparations	66	2,249	5,087,999	17,437,498	9,453,243	28,452,269
14	Bridge and structural steel	4	1,784	8,154,984	15,310,939	12,760,455	28,311,242 ¹
15	Bread and other bakery products	290	3,034	9,019,406	12,396,058	14,324,066	27,573,172
16	Machinery, industrial	41	2,190	8,380,127	9,007,605	17,333,371	25,735,329
17	Sheet metal products	33	1,033	4,210,885	13,283,771	8,260,913	21,525,324
18	Furniture	225	2,196	6,418,602	10,686,850	9,301,588	20,350,518
19	Boxes and bags, paper	17	1,056	3,531,168	12,238,854	6,439,427	18,829,597
20	Feeds, stock and poultry, prepared	40	697	2,271,713	14,576,674	3,950,157	18,769,820
21	Breweries	9	639	2,598,540	4,044,499	13,176,487	17,845,474
Totals, leading industries listed above ¹		2,977	80,635	292,690,805	753,601,008	629,279,690	1,399,139,433
Totals, all industries		4,393	108,595	393,869,388	1,007,882,346	824,249,273	1,859,368,466

¹ Reported on a production basis.

² Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

SECTION 7. MANUFACTURING INDUSTRIES IN URBAN CENTRES

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 15, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion contributed by cities and towns having factory shipments of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1953 accounted for 78 p.c. and 94 p.c. respectively of the totals for those provinces, while for the Atlantic Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the propor-

tions are 69 p.c. and 49 p.c. respectively. In the Prairie Provinces manufacturing is confined to a few urban centres.

During the past few years there has been a noticeable trend for manufacturing plants to locate in rural areas adjacent to incorporated cities and towns. This trend is revealed by a study of the percentages in the table below during the past few years. In 1956 for Canada as a whole 79.3 p.c. of the shipments were made by cities and towns with factory shipments of \$1,000,000 and over, as compared with 85.9 p.c. in 1953. Toronto is a good case in point. In 1953 Toronto accounted for 72.0 p.c. of the total shipments of York County and the rural areas for 12.2 p.c., while in 1953 Toronto's share dropped to 50.3 p.c. with the rural areas increasing to 23.9 p.c. The same trend is apparent in other manufacturing centres. This accounts for the changes that have taken place during the past few years in some of the provinces and for Canada as a whole.

TABLE 15. Cities and Towns Each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1956

Note. Statistics published in this table are in some cases higher than the figures published in Table 18, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 18 without disclosing the operations of individual establishments.

Province	Number of urban centres with selling value of factory shipments of over \$1,000,000	Number of establishments reporting in urban centres with selling value of factory shipments of over \$1,000,000	Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments of urban centres as a percentage of shipments of each province
	number			dollars	
Newfoundland	6	146	80,506,515	123,691,344	65.1
Prince Edward Island	3	63	17,209,481	24,497,245	70.3
Nova Scotia	26	507	247,045,562	384,398,103	64.3
New Brunswick	17	335	236,598,702	313,280,599	75.5
Quebec	187	8,197	6,238,944,938	6,622,502,699	94.2
Ontario	187	9,267	8,283,074,138	10,655,098,620	77.7
Manitoba	13	1,134	546,603,403	647,389,185	84.4
Saskatchewan	9	403	235,731,004	298,203,489	79.1
Alberta	16	936	471,661,108	703,188,739	67.1
British Columbia	34	2,301	904,675,269	1,859,368,466	48.7
Yukon and Northwest Territories	—	—	—	5,130,497	—
Canada, 1956	498	23,289	17,262,050,120	21,636,748,986	79.8
Canada, 1955	482	23,618	15,704,708,812	19,513,933,811	80.5
Canada, 1954	472	23,869	15,045,342,071	17,554,527,504	85.8
Canada, 1953	471	23,652	15,393,546,062	17,785,416,854	86.9

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-56

City and Year	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
	number			dollars	
Montreal:					
1939	2,501	105,315	114,602,118	254,188,246	483,246,583
1944	3,109	185,708	308,396,358	650,618,563	1,215,988,014
1948	3,887	180,098	369,191,470	841,048,938	1,550,246,090
1949	4,136	184,779	399,943,526	847,444,669	1,596,713,694
1951	4,137	183,436	449,279,943	1,026,220,450	1,849,153,995
1952	4,283	187,396	496,270,442	1,041,585,029	1,960,826,915 ²
1953	4,398	193,129	544,284,191	1,067,911,378	2,042,662,785 ²
1954	4,415	184,684	539,119,575	1,050,160,663	1,987,217,589 ²
1955	4,379	176,998	529,339,811	1,021,717,306	1,953,367,235 ²
1956	4,289	182,759	582,256,675	1,175,253,762	2,207,686,246 ²

See footnotes at end of table.

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada,
1939-56 — Concluded

City and Year	Establish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
		number		dollars	
Toronto:					
1939	2,885	98,702	122,553,435	240,532,281	482,532,331
1944	3,344	154,538	260,776,613	513,429,109	1,020,345,353
1948	3,623	154,197	335,142,822	804,970,396	1,475,761,819
1949	4,005	158,562	368,510,524	837,148,440	1,579,186,450
1951	3,796	151,333	415,206,705	991,268,163	1,763,192,114
1952	3,825	149,020	439,286,411	945,304,350	1,790,369,192 ²
1953	3,781	154,251	478,086,271	980,873,073	1,875,747,249 ²
1954	3,728	145,792	470,046,860	945,614,031	1,810,860,959 ²
1955	3,497	134,235	448,775,761	916,493,539	1,732,099,123 ²
1956	3,411	133,758	470,860,187	962,271,402	1,797,706,145 ²
Hamilton:					
1939	461	31,512	39,563,423	70,829,034	152,746,340
1944	480	53,500	94,982,915	171,117,467	363,033,672
1948	526	53,370	124,016,143	259,800,537	519,132,345
1949	546	54,665	137,641,333	285,180,403	563,982,920
1951	560	58,841	174,296,725	391,412,980	755,546,928
1952	575	59,257	190,167,980	385,701,709	781,596,810 ²
1953	566	60,451	201,515,979	385,515,852	824,407,315 ²
1954	580	54,199	189,099,943	341,555,746	752,353,730 ²
1955	588	55,202	200,311,361	395,047,070	844,835,085 ²
1956	585	58,742	232,166,085	498,410,570	987,728,987 ²
Windsor:					
1939	222	17,729	25,938,890	63,907,106	122,474,320
1944	231	35,912	80,667,573	232,102,240	387,603,874
1948	271	32,729	85,354,165	231,706,777	413,749,890
1949	283	34,591	94,304,627	271,392,923	494,162,203
1951	297	34,865	112,076,215	351,697,300	626,292,546
1952	330	36,628	130,027,457	377,637,512	646,949,316 ²
1953	338	37,514	140,481,193	402,209,586	682,273,319 ²
1954	353	30,210	112,816,841	263,143,564	474,634,211 ²
1955	334	25,654	101,810,378	186,275,443	374,512,418 ²
1956	336	24,091	96,798,387	186,300,126	369,790,090 ²
Winnipeg:					
1939	648	17,571	20,717,273	44,873,043	81,024,272
1944	686	25,870	38,824,299	119,917,745	198,169,626
1948	765	27,906	54,379,965	157,379,778	264,022,796
1949	860	28,687	58,604,162	143,827,270	255,006,806
1951	849	27,704	65,741,785	167,583,852	292,496,767
1952	843	28,162	70,744,396	160,844,930	296,263,701 ²
1953	860	28,230	76,008,218	156,860,845	300,186,774 ²
1954	864	26,887	74,628,593	150,352,336	288,602,394 ²
1955	873	26,392	75,281,647	152,575,494	291,084,611 ²
1956	869	26,629	80,891,909	163,808,668	309,520,043 ²
Vancouver:					
1939	829	17,957	22,382,192	56,565,511	101,267,243
1944	933	43,473	79,141,407	142,416,371	289,390,718
1948	1,136	33,815	75,300,519	211,726,521	360,749,092
1949	1,225	33,536	78,793,345	204,642,985	358,620,526
1951	1,255	34,376	96,222,111	270,748,863	461,594,390
1952	1,275	33,296	102,163,999	248,964,894	437,663,057 ²
1953	1,316	33,822	108,896,725	255,906,780	448,591,543 ²
1954	1,335	33,916	114,114,199	273,058,336	486,913,181 ²
1955	1,330	34,683	120,488,180	276,666,483	489,181,449 ²
1956	1,299	36,052	131,540,861	299,290,344	534,658,163 ²

¹ Net value is derived from gross value by deducting cost of materials, fuel and electricity. For cost of fuel and electricity in 1956 see Table 18.

² Since 1952 the basis of collection was "Selling Value of Factory Shipments" instead of "Gross Value of Products".

TABLE 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, Grouped According to the Number of Employees per Establishment, 1956

Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Montreal Metropolitan Area:						
Under 5 employees.....	1,394	3,276	7,371,419	437,336	21,893,588	37,102,400
5 to 14 employees.....	1,426	12,173	32,471,518	1,438,076	81,779,934	144,099,537
15 " 49 ".....	1,284	34,620	93,092,186	4,054,011	218,758,592	396,399,768
50 " 99 ".....	1,424	29,284	81,708,453	3,415,041	184,855,490	351,743,910
100 " 199 ".....	224	30,765	90,971,232	5,891,523	290,233,011	473,725,931
200 " 499 ".....	123	38,555	122,435,756	11,673,546	330,852,873	634,156,531
500 " 999 ".....	48	32,928	120,020,972	20,903,008	623,348,631	963,299,083
1,000 " 1,499 ".....	10	12,099	47,656,780	3,808,826	110,737,688	225,485,926
1,500 and over.....	14	48,821	191,924,897	4,619,353	259,838,725	559,520,790
Not classifiable.....	127	—	—	—	917,585	1,121,573
Head Offices ¹	—	7,443	40,050,683	—	—	—
Totals	5,074	249,964	827,703,886	56,240,720	2,113,216,117	3,786,635,501
Toronto Metropolitan Area:						
Under 5 employees.....	1,257	2,940	6,821,305	465,429	13,188,624	26,687,968
5 to 14 employees.....	1,345	11,630	34,577,260	1,706,632	69,632,207	131,598,986
15 " 49 ".....	1,204	32,653	103,007,298	4,417,747	212,238,947	416,972,454
50 " 99 ".....	341	23,601	77,408,934	4,327,746	200,605,718	360,234,627
100 " 199 ".....	212	29,876	101,054,798	5,323,013	338,557,886	450,194,582
200 " 499 ".....	127	39,628	144,129,446	7,209,315	285,870,806	578,002,511
500 " 999 ".....	37	24,561	95,193,577	4,007,337	135,920,219	212,539,014
1,000 " 1,499 ".....	13	16,750	65,558,653	2,874,380	166,473,923	276,071,500
1,500 and over.....	9	20,365	84,763,945	3,109,865	205,089,391	368,508,104
Not classifiable.....	159	—	—	—	2,719,797	3,611,303
Head Offices ¹	—	5,356	31,314,908	—	—	—
Totals	4,704	207,860	743,830,124	33,441,464	1,528,297,518	2,924,420,939
Hamilton Metropolitan Area:						
Under 5 employees.....	234	543	1,141,222	109,222	2,212,156	4,339,095
5 to 14 employees.....	176	1,535	4,538,129	313,635	6,708,902	14,735,992
15 " 49 ".....	134	3,735	12,407,414	1,029,824	22,325,782	46,591,826
50 " 99 ".....	49	4,234	14,049,994	1,079,334	47,195,211	78,306,388
100 " 199 ".....	34	4,899	16,497,588	1,048,264	51,798,462	84,380,910
200 " 499 ".....	42	12,630	44,263,390	3,862,628	105,361,314	203,207,232
500 " 999 ".....	7	4,501	17,681,209	1,127,754	45,918,390	83,889,229
1,000 " 1,499 ".....	6	6,707	25,298,848	1,818,151	51,926,966	95,396,649
1,500 and over.....	5	23,258	106,487,396	19,141,859	187,257,001	418,780,616
Not classifiable.....	10	—	—	—	89,243	98,666
Head Offices ¹	—	276	926,380	—	—	—
Totals	707	62,318	243,291,570	29,540,671	520,783,427	1,029,717,603
Windsor Metropolitan Area:						
Under 5 employees.....	135	300	700,842	74,174	1,038,682	2,308,418
5 to 14 employees.....	109	932	2,918,437	177,330	5,642,741	11,440,868
15 " 49 ".....	68	1,842	6,069,942	410,358	10,664,925	23,823,288
50 " 99 ".....	30	2,152	8,386,516	387,762	15,099,182	33,521,553
100 " 199 ".....	16	2,192	8,536,912	834,074	16,850,761	33,308,079
200 " 499 ".....	20	6,055	23,925,652	2,364,673	42,979,545	98,872,414
500 " 999 ".....	6	21,967	91,021,423	4,433,574	237,418,458	410,114,923
1,500 and over.....	2	—	—	—	—	—
Not classifiable.....	9	—	—	—	26,089	30,860
Totals	395	35,440	141,559,724	8,682,445	329,719,889	613,420,407
Winnipeg Metropolitan Area:						
Under 5 employees.....	346	765	1,591,072	112,129	2,749,322	5,868,336
5 to 14 employees.....	274	2,312	5,928,021	486,184	14,458,638	26,306,678
15 " 49 ".....	203	5,528	15,499,789	871,234	36,276,673	65,091,310
50 " 99 ".....	104	7,088	21,056,593	1,164,720	56,582,317	98,552,563
100 " 199 ".....	49	7,049	20,487,679	2,112,338	59,239,182	103,920,593
200 " 499 ".....	18	4,907	17,176,554	2,897,757	38,859,659	73,320,026
500 " 999 ".....	5	3,691	13,222,234	486,987	47,439,580	75,356,013
1,000 " 1,499 ".....	2	6,070	21,411,158	701,836	48,013,768	76,555,946
1,500 and over.....	2	—	—	—	216,061	231,831
Not classifiable.....	58	—	—	—	—	—
Head Offices ¹	—	157	1,104,618	—	—	—
Totals	1,061	37,567	117,477,718	8,833,185	303,835,200	525,212,786
Vancouver Metropolitan Area:						
Under 5 employees.....	593	1,374	3,028,937	241,809	5,603,698	11,690,194
5 to 14 employees.....	530	4,532	13,112,222	786,425	24,284,928	47,248,673
15 " 49 ".....	364	9,861	33,827,815	2,017,017	92,170,919	158,965,513
50 " 99 ".....	114	7,756	27,859,877	1,566,001	68,234,692	122,790,338
100 " 199 ".....	63	8,688	31,950,662	1,899,710	91,280,293	156,928,127
200 " 499 ".....	32	9,937	37,978,579	3,373,758	144,562,104	239,164,511
500 " 999 ".....	12	8,607	33,755,551	1,491,772	66,155,611	133,324,155
1,000 " 1,499 ".....	2	4,153	17,616,450	496,342	17,353,939	48,098,874
1,500 and over.....	1	—	—	—	297,791	373,947
Not classifiable.....	57	—	—	—	17,097	—
Head Offices ¹	—	1,345	7,837,129	3,542	—	—
Totals	1,768	56,253	206,967,222	11,876,376	509,961,072	918,584,332

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1956

Note. Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total Value of Shipments.

Municipality	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Newfoundland:						
Carbonear	9	145	323,978	28,736	657,406	1,077,564
Harbour Grace	8	436	741,161	48,601	1,178,446	2,568,642
St. John's	102	2,326	6,212,498	571,287	12,760,402	26,539,993
Prince Edward Island:						
Charlottetown	35	634	1,567,124	171,160	7,167,094	10,519,422
Souris	9	218	348,404	60,226	1,309,993	1,980,649
Summerside	19	246	508,943	64,129	3,682,665	4,709,410
Nova Scotia:						
Amherst	23	1,211	3,532,695	311,589	5,701,688	11,760,394
Antigonish	11	107	176,510	22,654	632,095	1,009,223
Berwick	9	253	539,527	77,159	2,189,332	3,291,274
Bridgetown	8	115	265,014	40,135	753,831	1,497,575
Bridgewater	14	141	316,409	31,259	904,495	1,665,902
Dartmouth	17	248	636,385	57,985	1,091,091	2,740,391
Glace Bay	16	179	322,641	54,399	650,848	1,273,297
Halifax	146	6,471	18,378,785	1,163,336	31,660,942	64,669,332
Hantsport	6	398	944,938	200,697	2,343,816	4,322,755
Kentville	9	143	344,838	35,907	578,263	1,182,267
Liverpool	7	266	671,571	78,223	894,408	2,161,860
Lockeport	3	243	420,429	45,181	992,206	1,639,455
Louisburg	4	314	623,142	68,537	1,683,442	2,792,272
Lunenburg	16	732	1,831,814	115,747	4,436,528	7,242,274
Mahone Bay	9	150	324,132	18,994	553,143	1,266,492
Middleton	7	148	257,355	41,704	893,830	1,419,039
New Glasgow	29	898	2,462,593	409,457	4,459,577	8,387,348
North Sydney	13	288	691,757	53,497	1,344,794	2,625,983
Pictou	9	513	1,313,320	48,080	2,160,333	3,869,333
Shelburne	17	200	404,774	25,432	1,048,825	1,659,965
Sydney	42	5,311	20,094,682	4,222,968	37,848,272	70,468,813
Trenton	8	1,507	4,640,557	593,269	18,106,725	30,481,682
Truro	42	1,066	2,049,867	175,260	4,528,638	8,533,011
Windsor	13	316	597,657	55,169	2,225,843	2,888,438
Yarmouth	28	709	1,438,275	150,187	3,664,477	7,138,883
New Brunswick:						
Campbellton	12	121	304,479	66,526	676,323	1,452,383
Fredericton	38	886	2,027,815	193,368	4,216,907	8,000,950
Grand Falls	17	97	180,181	54,915	670,366	1,139,436
Lancaster	8	484	1,439,745	114,371	3,083,594	8,373,374
Moncton	53	2,859	9,231,244	641,499	22,583,840	36,484,935
Newcastle	11	472	1,674,499	483,128	4,258,456	5,301,252
Saint John	98	4,201	10,846,944	1,538,568	47,253,017	71,528,528
St. Stephen	14	448	913,838	78,326	1,686,487	3,278,183
Shippegan	8	220	319,273	25,780	1,097,786	1,475,821
Sussex	15	257	623,501	75,838	2,291,175	3,578,807
Woodstock	14	118	241,353	41,873	940,097	1,440,524
Quebec:						
Acton Vale	13	1,053	2,326,536	100,083	5,720,576	9,670,566
Amqui	16	224	525,481	46,273	1,145,789	1,969,050
Ayer's Cliff	7	97	178,885	12,370	692,617	1,039,411
Beauceville East	10	141	311,283	12,915	593,940	1,141,341
Beauharnois	17	1,642	5,757,457	4,253,145	14,057,016	35,373,063
Beauport	14	377	920,467	71,205	2,387,128	4,152,076
Bedford	11	825	1,956,212	60,511	2,346,723	5,501,068
Beloeil	13	149	347,626	26,701	472,590	1,074,224
Berthierville	18	659	1,482,028	156,253	2,667,729	6,566,258
Cabano	12	212	536,434	22,118	907,739	2,260,772
Cap-de-la-Madeleine	44	2,820	7,987,983	1,702,160	29,088,711	50,867,047
Chamblay	7	137	273,027	17,574	813,464	1,272,311
Charlesbourg	14	97	236,723	15,804	915,776	1,397,379
Charny	6	149	285,593	23,540	722,848	1,346,743
Chicoutimi	37	560	1,443,405	118,333	3,340,510	6,231,249
Codicook	20	994	2,265,203	121,649	4,905,872	9,083,466
Contrecoeur	14	354	677,325	24,499	959,602	2,154,239
Cowansville	10	124	4,852,285	411,070	9,025,947	16,249,789
Danville	8	124	297,578	92,020	916,332	1,417,611
Daveluyville	8	122	242,199	11,420	638,068	1,036,010
Disraeli	9	171	301,928	22,069	667,523	1,132,453
Dorion	10	186	353,710	15,038	917,119	1,570,585
Drummondville	57	5,997	16,879,119	1,531,706	30,753,463	66,129,986
Farnham	19	1,069	2,801,962	206,258	5,207,989	10,729,787
Fort Chambly	10	607	1,513,138	80,926	2,183,152	4,434,364
Giffard	17	244	611,674	56,686	1,582,006	2,839,195
Granby	89	5,650	15,246,459	899,002	31,672,470	66,429,225
Grand-Mère	32	2,803	8,145,447	1,793,735	15,442,424	34,521,544
Henryville	7	79	173,370	25,461	1,154,574	1,514,827
Hull	52	3,721	12,422,721	2,431,666	29,691,881	55,464,280
Huntingdon	13	576	1,799,816	181,937	5,583,054	8,534,000
Hibernia	24	305	782,803	59,835	1,528,250	3,045,060
Jacques Cartier	30	3,113	12,326,679	568,416	15,543,543	40,990,259

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1956 — Continued

Municipality	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Quebec — Concluded:						
Joliette	59	2,258	5,986,553	669,857	10,253,619	21,439,820
Lachine	75	12,755	50,525,519	1,922,211	93,705,650	186,507,045
Lachute	18	350	1,011,119	178,987	2,951,547	4,792,144
Laprairie	25	477	1,399,629	259,331	1,915,710	4,927,194
Lasalle	48	5,769	20,651,791	3,489,647	67,147,462	128,269,992
L'Assomption	16	606	1,606,887	112,478	4,344,747	7,003,911
Lennoxville	12	358	1,153,029	178,959	2,801,766	5,085,562
L'Epiphanie	14	270	677,197	50,207	1,557,080	2,692,186
Lévis	40	484	1,187,987	89,629	2,860,367	5,144,012
L'Isletville	10	357	939,700	43,630	1,342,164	2,868,729
Longueuil	28	1,146	3,100,899	101,441	4,409,195	8,455,794
Loretteville	30	560	1,161,233	32,716	1,928,438	3,730,118
Louiseville	20	1,712	3,983,437	401,409	6,783,155	12,595,570
Luceville	8	72	158,793	23,318	909,804	1,199,903
Macog	28	2,588	6,774,918	741,553	33,320,821	45,675,824
Maniwaki	14	102	249,458	30,111	717,258	1,303,956
Mariville	21	646	1,490,323	104,390	5,433,743	8,476,476
Matane	23	278	697,046	63,212	1,610,694	3,005,955
Mégantic	23	652	1,490,201	145,644	1,884,865	4,207,833
Mont-Joli	17	136	300,707	34,693	840,595	1,322,551
Mont-Laurier	18	315	695,990	46,865	1,513,649	3,235,213
Montmagny	42	1,382	3,429,846	228,008	7,454,133	13,295,574
Montreal	4,289	182,759	582,256,675	22,354,978	1,175,253,762	2,207,686,246
Montreal East	39	6,816	28,233,541	21,555,175	523,722,029	739,194,053
Montreal North	32	1,051	3,723,246	183,881	8,020,472	13,296,346
Montreal West	8	150	407,121	15,633	682,005	1,650,010
Mont Royal	38	6,317	20,301,708	600,980	57,714,357	101,077,840
Nicolet	16	335	755,550	91,998	2,253,267	3,797,561
Notre-Dame-de-Portneuf	16	611	1,812,706	425,376	3,517,993	6,838,005
Outremont	59	1,807	5,492,520	206,767	12,815,739	24,507,545
Pierreville	10	209	349,000	22,214	1,066,789	1,626,207
Plessisville	29	1,142	2,895,947	148,876	4,873,268	9,035,207
Pointe-aux-Trembles	15	363	982,524	79,354	3,083,936	4,984,567
Pont-Viau	10	222	480,323	26,900	820,796	1,600,900
Princeville	15	626	1,440,182	101,956	6,521,774	9,295,232
Quebec	41	15,990	45,625,222	6,486,802	104,513,307	204,229,664
Richelieu	5	96	244,443	21,238	359,314	1,024,027
Richmond	11	542	1,994,821	43,846	2,378,099	4,552,747
Rigaud	13	149	282,945	22,469	552,626	1,057,585
Rimouski	33	419	1,177,595	72,241	1,890,700	4,046,780
Rivière-du-Loup	24	201	406,317	39,043	939,865	1,810,750
Rock Island	11	545	1,583,726	84,764	1,423,333	5,188,842
Rougemont	7	94	169,742	21,237	630,412	1,011,829
Rouyn	18	159	449,515	57,288	1,118,710	1,975,275
Ste-Agathe-des-Monts	16	101	235,695	32,047	546,458	1,025,161
St-Anselme	7	54	129,689	16,695	904,689	1,189,501
St-Casimir	17	235	419,311	34,821	1,234,096	2,084,560
St-Césaire	24	429	701,438	66,605	2,499,743	3,729,029
St-Charles	8	59	125,593	14,604	740,537	1,009,736
St-Eustache	17	116	262,742	39,369	1,312,310	1,884,301
St-Félicien	17	237	587,995	42,265	2,595,717	3,973,061
St-Félix-de-Valois	18	74	113,445	18,129	852,777	1,255,890
St-Gabriel-de-Brandon	27	584	988,612	49,044	1,582,635	2,932,080
St-Georges (Beauce Co.)	14	442	897,841	62,002	1,146,631	2,530,898
St-Germain-de-Grantham	7	52	89,793	47,314	1,476,195	1,821,783
St-Hyacinthe	79	4,319	10,664,251	727,283	31,100,859	49,041,488
St-Jacques	12	185	343,964	17,840	2,148,733	3,033,938
St-Jean	68	4,894	15,213,489	1,052,220	29,460,231	55,522,232
St-Jérôme (Terrebonne Co.)	57	3,410	8,885,173	628,693	14,538,877	29,518,478
St-Joseph-de-Beauce	10	182	373,920	26,418	463,467	1,195,013
St-Joseph-de-Sorel	8	1,587	5,788,665	521,006	4,247,090	13,216,671
St-Lambert	74	865	29,690,380	112,685	4,713,257	9,758,635
St-Laurent	26	15,581	59,610,514	2,047,819	67,710,105	176,384,616
St-Leonard-d'Aston	9	166	319,352	39,103	1,035,855	1,590,921
St-Marie (Beauce Co.)	19	882	1,946,082	320,402	5,408,966	10,178,029
St-Michel (de Laval)	92	1,473	4,516,846	430,072	10,745,400	19,999,593
St-Pie	14	217	446,361	66,171	1,369,980	2,240,141
St-Raymond	15	170	305,398	32,938	837,530	1,848,867
St-Rémi	15	432	1,099,872	82,631	4,420,128	7,101,525
Ste-Rose	9	167	403,470	24,226	1,156,198	2,325,281
Ste-Thérèse	10	133	244,915	19,119	715,935	1,106,458
Ste-Thérèse	38	1,204	2,874,750	198,861	5,896,295	11,656,814
St-Tite	22	564	1,066,775	27,214	2,259,358	4,187,080
Shawinigan Falls	48	6,112	23,784,250	10,398,674	57,730,890	134,589,361
Shawville	10	109	235,324	34,326	1,414,564	1,917,200
Sherbrooke	121	8,101	22,561,987	1,536,580	55,196,933	101,606,618
Sutton	10	141	265,967	32,221	946,877	1,400,124
Terrebonne	18	628	1,749,834	99,645	3,537,898	6,776,602
Theftord Mines	33	457	1,156,852	133,187	1,416,213	3,879,146
Three Rivers	86	8,495	28,559,863	8,690,281	58,784,981	130,933,268
Thurso	9	400	1,009,997	24,473	2,463,342	3,551,207
Trois-Pistoles	15	233	521,150	40,282	2,687,450	3,734,682
Val d'Or	18	227	514,498	57,491	651,881	1,733,443
Verdun	39	3,750	10,732,016	833,441	22,225,808	42,179,770
Verdun	71	1,947	4,850,124	154,829	10,681,622	19,470,383
Victoriaville	61	2,958	6,793,323	304,730	13,550,641	24,773,717
Warwick	11	441	928,620	114,337	2,502,047	4,414,563
Waterloo	20	574	1,614,353	102,236	2,952,308	5,710,594
Westmount	38	1,908	6,198,735	457,877	6,856,062	18,384,680

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or over, and with Three or More Establishments, 1956 — Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Ontario:						
Acton	20	1,090	2,979,324	303,599	6,945,471	11,892,782
Ajax	32	1,390	4,882,051	196,398	10,122,228	18,093,737
Alexandria	8	230	380,438	32,652	578,502	1,187,917
Alliston	10	122	277,809	23,030	736,017	1,287,953
Almonte	11	162	412,349	103,098	2,755,423	3,589,591
Amherstburg	14	779	2,460,693	681,686	4,784,100	13,661,869
Amprior	19	1,067	2,991,828	170,426	4,636,873	9,799,637
Aurora	18	781	2,099,014	97,874	5,278,227	8,462,503
Barrie	37	1,568	4,965,828	318,923	14,892,594	27,267,760
Beamsville	8	128	278,552	28,894	624,470	1,166,113
Belleville	64	3,234	11,050,470	2,278,111	13,594,073	39,339,324
Bloomfield	7	143	242,787	21,133	937,281	1,604,600
Blyth	4	42	120,821	28,002	1,256,680	1,454,062
Bowmanville	16	913	3,228,658	204,394	5,868,723	14,440,015
Bracebridge	17	144	356,822	26,046	631,077	1,107,838
Brampton	39	1,588	4,690,447	340,423	10,292,609	20,775,560
Brantford	166	10,819	35,679,301	2,031,622	71,630,515	141,009,871
Brighton	11	223	541,386	35,147	1,581,662	2,582,759
Rockville	49	3,050	10,648,175	668,325	56,603,119	82,066,950
Burlington	24	765	2,137,097	122,899	5,126,959	9,117,848
Cambellford	20	380	1,085,177	90,333	2,764,294	4,446,887
Cannington	7	58	162,127	31,494	521,036	1,105,745
Carleton Place	12	444	1,226,285	75,041	2,092,468	3,919,205
Casselman	8	79	171,113	37,227	1,208,558	1,489,919
Chatham	75	3,971	14,796,271	1,169,267	81,756,518	108,998,112
Chesley	12	248	633,857	21,790	946,810	1,917,263
Clinton	11	161	364,033	29,888	700,720	1,339,317
Cobourg	31	1,079	3,579,178	246,141	8,394,552	18,213,336
Collingwood	21	980	2,913,434	137,850	5,808,067	9,761,570
Cornwall	50	4,616	14,695,510	3,026,648	24,312,285	56,256,395
Delhi	15	119	312,777	33,826	643,406	1,233,312
Deseronto	6	216	481,675	32,408	1,315,561	2,455,812
Dresden	9	120	301,107	70,730	1,378,876	2,627,131
Dundas	35	1,386	4,718,774	390,998	5,917,856	13,229,160
Dunville	20	1,252	3,173,218	203,468	10,682,548	19,600,003
Durham	11	321	565,121	61,909	1,222,332	2,167,910
Eastview	24	454	1,543,520	98,885	6,466,956	9,286,272
Eganville	10	111	274,956	59,668	871,594	1,435,779
Elmira	21	624	2,029,045	215,057	6,381,649	11,321,839
Essex	11	346	1,044,629	111,269	1,751,045	4,030,884
Exeter	8	93	229,930	32,458	704,020	1,198,576
Forest	12	214	438,995	48,736	1,224,127	2,042,797
Fort Erie	27	831	3,104,568	100,835	7,479,239	13,474,589
Fort William	69	3,593	13,845,365	3,528,497	28,359,142	61,636,735
Galt	95	6,928	22,099,382	909,080	41,696,708	79,730,233
Gananoque	16	909	3,085,977	232,982	5,178,661	10,063,160
Georgetown	21	1,267	4,356,174	269,774	8,905,499	15,389,392
Glencoe	7	215	500,348	13,120	1,113,901	2,034,433
Goderich	17	488	1,326,700	203,176	3,285,382	6,569,315
Gravenhurst	8	324	963,280	52,831	1,549,027	3,282,448
Grimsby	18	490	1,150,619	89,510	2,372,494	4,572,211
Guelph	109	6,639	22,370,084	1,417,008	41,946,885	84,645,208
Hamilton	585	58,742	232,166,085	28,649,240	498,410,570	987,728,987
Hanover	22	854	2,581,825	116,527	4,212,300	8,037,677
Harriston	10	171	370,040	58,249	1,276,521	2,125,321
Hespeler	18	1,893	5,376,592	566,582	9,006,614	17,829,767
Huntsville	12	345	900,087	77,719	3,018,735	4,574,704
Ingersoll	25	1,146	3,639,559	225,772	9,827,033	15,738,355
Kemptville	10	98	282,613	64,744	2,203,651	2,943,742
Kincardine	13	357	835,173	81,136	1,151,874	2,337,630
Kingston	76	6,284	21,816,388	1,714,331	47,304,256	94,118,293
Kitchener	211	15,708	52,562,067	2,404,992	112,940,012	221,712,416
Leaside	51	8,325	30,553,396	1,182,500	67,401,162	132,605,940
Lindsay	35	1,545	4,392,662	382,918	7,430,862	16,307,997
Listowel	12	476	1,147,467	111,394	2,627,737	4,694,327
London	282	15,311	50,558,916	2,685,009	99,451,565	211,680,764
Long Branch	25	1,469	5,260,367	277,528	9,039,226	19,425,706
Markham	10	199	577,267	35,884	1,540,722	3,786,331
Meaford	18	477	1,185,025	93,858	2,380,264	4,725,858
Merritton	18	2,312	9,146,398	1,440,188	15,369,556	34,857,341
Midland	25	1,017	2,670,035	109,215	7,391,963	12,155,770
Mildmay	9	99	194,808	18,182	842,647	1,226,726
Milton	15	1,032	3,909,715	539,221	5,670,051	14,863,691
Milverton	11	174	421,835	27,210	760,603	1,438,380
Mimico	44	993	3,266,057	186,229	6,873,011	13,039,873
Mitchell	10	145	350,820	79,421	2,383,648	3,260,306
Morrisburg	7	93	224,017	13,516	632,331	1,072,830
Mount Forest	15	230	422,631	36,139	1,004,020	1,746,581
Napanee	16	426	1,217,163	125,622	2,391,377	4,996,111
New Hamburg	12	485	1,061,506	50,750	1,712,884	3,833,738
New Liskeard	13	618	1,883,996	94,754	3,279,152	5,918,168
Newmarket	21	1,063	3,252,225	168,746	5,616,042	12,398,549
New Toronto	48	7,794	32,082,448	2,160,181	107,042,854	196,959,953
Niagara (on the lake)	7	117	304,010	20,200	629,701	1,145,053
Niagara Falls	79	5,040	18,638,595	4,555,087	33,603,401	75,992,171
North Bay	24	544	1,690,778	129,610	3,457,653	6,522,570
Norwich	8	83	199,912	24,465	836,536	1,297,007
Oakville	46	1,700	5,919,909	327,715	11,892,882	25,567,050
Orangeville	14	165	375,636	38,549	1,020,547	1,694,769
Orillia	59	2,478	7,537,921	477,622	9,468,527	22,321,692

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or More, and with Three or More Establishments, 1956 — Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Ontario — Concluded:						
Ottawa	315	10,550	33,875,042	2,456,808	52,013,225	119,651,176
Owen Sound	50	2,778	8,450,069	350,826	11,349,241	26,833,365
Paris	24	1,337	3,910,696	176,092	8,609,572	13,454,731
Pembroke	29	1,462	4,147,444	173,320	7,827,460	15,248,332
Penetanguishene	10	460	1,043,785	52,163	1,521,019	3,259,767
Perth	24	826	2,101,424	113,066	4,302,948	9,106,363
Peterborough	92	9,908	37,792,710	1,367,179	84,409,866	153,391,995
Petrolia	17	204	579,056	103,406	2,813,555	3,864,847
Pictou	14	189	340,779	36,754	871,200	1,571,024
Port Arthur	57	2,653	9,986,733	2,331,096	18,092,615	45,063,002
Port Dover	11	445	1,125,742	65,841	14,566,333	17,824,550
Port Elgin	8	190	394,935	21,098	672,819	1,225,094
Port Hope	25	1,379	4,938,319	391,302	48,789,885	58,734,168
Preston	37	2,949	9,267,743	341,331	12,604,088	27,025,243
Renfrew	25	977	2,690,390	172,940	5,499,979	10,015,971
Richmond Hill	14	167	496,621	44,337	2,642,959	3,626,413
Ridgetown	12	191	517,167	27,694	1,047,868	2,484,177
Riverside	8	154	503,115	45,168	1,267,620	2,154,918
St. Catharines	100	5,974	22,346,769	1,000,864	33,201,674	67,403,824
St. Mary's	12	562	1,936,276	1,569,943	6,143,295	14,119,224
St. Thomas	49	2,323	7,559,293	436,845	14,242,918	30,526,584
Sarnia	57	7,134	30,444,350	17,434,140	182,458,968	356,837,399
Sault Ste-Marie	52	8,845	40,560,759	9,163,169	77,733,384	168,320,295
Seaforth	13	269	592,666	33,891	1,121,970	2,053,344
Simcoe	32	1,397	4,537,671	319,794	25,772,071	36,075,297
Smith's Falls	28	702	1,828,892	168,945	3,451,521	8,803,035
Southampton	5	329	834,288	32,819	1,571,623	2,759,512
Stirling	8	117	244,948	12,615	759,098	1,132,738
Stratford	68	3,905	12,465,222	492,831	20,931,464	41,617,482
Strathroy	22	574	1,563,345	85,657	3,058,323	7,166,284
Streetsville	14	588	2,044,532	337,612	3,264,299	7,737,158
Sudbury	60	1,104	3,403,147	352,128	6,485,914	13,815,392
Swansea	18	935	3,469,054	322,570	7,618,329	14,756,212
Tavistock (Oxford Co.)	7	140	320,248	29,022	1,718,634	2,211,194
Teeswater	6	44	118,893	42,789	947,308	1,137,867
Thamesville	8	147	366,533	28,120	1,680,944	2,514,469
Thorold	23	1,594	6,230,557	1,859,815	12,364,352	24,965,154
Tillsonburg	25	1,001	2,603,235	311,996	11,931,892	17,327,092
Timmins	25	435	1,090,752	118,472	2,025,619	4,209,329
Toronto	3,411	133,758	470,860,187	19,997,349	962,271,402	1,797,706,145
Trenton	29	1,763	5,243,481	627,359	11,060,018	24,203,178
Tweed	10	156	367,429	17,223	711,121	1,195,990
Uxbridge	9	138	402,191	35,397	859,974	1,775,711
Walkerton	12	543	1,424,820	45,814	1,829,289	5,054,525
Wallaceburg	28	2,115	7,321,059	917,986	6,992,068	18,879,620
Waterford	5	113	228,075	15,101	700,267	1,124,487
Waterloo	66	3,080	10,043,821	529,641	17,634,129	49,705,271
Welland	55	3,361	12,030,503	908,258	17,933,438	39,429,552
Wellington	9	115	239,199	36,661	728,302	1,276,626
West Lorne	7	249	601,770	32,383	1,450,005	2,509,740
Weston	67	3,355	12,741,913	636,454	24,989,351	48,622,503
Windsor	336	24,091	96,798,387	5,453,651	186,300,126	369,790,090
Wingham	18	392	964,442	80,567	2,989,803	4,570,370
Woodstock	64	4,164	13,318,026	889,023	26,166,395	59,729,203
Manitoba:						
Brandon	44	938	2,740,347	404,368	10,811,256	17,205,035
Dauphin	14	74	163,457	24,371	829,126	1,183,782
Morden	9	173	333,794	50,712	728,054	1,541,145
Neepawa	10	113	324,070	105,954	698,927	1,416,723
Portage la Prairie	17	156	374,153	57,781	660,830	1,314,629
St. Boniface	96	4,917	17,009,972	1,909,880	104,335,130	199,879,052
St. James	29	1,933	6,060,475	224,681	7,851,907	19,289,843
Steinbach	11	201	395,003	34,420	794,739	1,557,068
Winnipeg	869	26,629	80,691,909	3,669,114	163,808,668	309,520,043
Saskatchewan:						
Hudson Bay	7	78	217,445	19,162	706,322	1,271,302
Melville	9	54	116,199	24,894	882,137	1,154,218
Moose Jaw	47	1,361	4,561,272	1,129,303	32,954,800	49,069,531
North Battleford	11	143	393,914	58,516	1,131,771	1,974,959
Prince Albert	13	796	2,595,554	234,224	9,478,825	15,482,743
Regina	143	3,558	12,178,078	2,837,981	50,369,302	90,518,613
Saskatoon	122	2,979	9,620,611	1,154,935	50,132,283	70,980,574
Swift Current	12	175	549,466	77,594	1,682,857	2,970,585
Yorkton	19	171	458,739	73,674	1,382,593	2,308,479
Alberta:						
Blairmore	10	109	307,760	24,576	1,639,557	2,490,728
Calgary	349	9,981	34,433,282	1,981,132	110,613,694	178,592,742
Camrose	7	57	177,723	23,282	753,653	1,049,426
Edmonton	383	11,850	38,670,424	1,914,705	124,357,166	202,341,246
Grande Prairie	16	3,308	748,305	120,097	1,258,140	2,651,146
Lethbridge	59	1,171	3,411,926	276,840	9,609,803	18,441,892
Lloydminster	7	118	411,911	42,309	1,288,016	2,906,142
Medicine Hat	39	1,081	3,015,703	197,797	12,870,789	19,179,216
Red Deer	26	330	938,932	82,996	3,419,978	6,425,687
Wetaskiwin	9	56	132,891	12,974	834,456	1,051,914

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1956 — Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
British Columbia:						
Abbotsford	13	296	985,022	270,610	7,029,568	9,594,056
Armstrong	12	130	362,406	47,375	800,040	1,449,563
Burn's Lake	20	112	283,254	24,888	1,267,714	1,773,828
Campbell River	9	86	260,260	19,487	600,498	1,042,331
Chilliwack	22	301	805,678	90,700	1,766,051	2,965,204
Cranbrook	15	197	590,361	52,911	1,080,874	2,056,063
Dawson Creek	17	183	625,302	92,441	1,688,289	2,804,608
Enderby	17	130	348,438	33,044	534,695	1,073,789
Hope	17	113	336,408	24,949	552,195	1,151,274
Kamloops	35	508	1,431,308	119,116	3,396,472	6,399,236
Kelowna	36	778	2,264,218	124,044	3,749,657	8,235,414
Merritt	10	240	759,708	46,279	1,359,948	2,998,637
Mission City	13	216	754,307	85,808	1,555,484	3,143,603
Nanaimo	25	503	1,694,292	141,591	2,987,778	6,628,512
Nelson	27	336	973,450	82,627	1,728,638	3,648,011
New Westminster	111	6,286	23,194,681	1,605,502	62,687,765	110,956,033
North Vancouver	73	2,991	12,190,246	571,859	14,229,693	36,624,624
Oliver	10	164	476,934	31,960	822,131	1,700,680
Penticton	32	440	1,146,069	94,537	2,246,904	4,600,709
Port Alberni	18	1,897	7,330,355	318,660	19,711,124	35,846,120
Port Moody	8	762	2,679,076	91,960	8,375,205	11,604,313
Prince George	72	1,015	3,053,791	292,506	13,316,513	18,814,157
Prince Rupert	19	326	1,009,077	101,903	3,508,450	5,556,227
Quesnel	59	346	849,276	107,426	3,060,512	5,394,955
Revelstoke	19	124	338,462	44,967	378,325	1,073,853
Salmon Arm	11	192	519,528	36,375	1,001,988	2,038,018
Vancouver	1,299	36,052	131,540,861	6,326,318	299,290,344	534,658,163
Vernon	34	448	1,216,657	111,386	2,284,683	4,870,258
Victoria	203	4,648	16,800,472	948,662	30,103,571	62,764,764
William's Lake	32	231	606,717	58,221	1,941,812	3,370,424

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1956

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Newfoundland:						
Division No. 1	203	4,193	9,403,792	890,792	18,762,438	37,931,259
Division No. 2	18	599	1,034,620	85,556	2,023,853	3,257,862
Division No. 3	30	613	908,148	133,621	2,037,674	3,613,853
Division No. 4	34	76	61,797	9,103	110,081	242,448
Division No. 5	44	2,541	11,227,858	4,382,812	18,403,788	45,967,402
Division No. 6	49	1,466	6,979,492	1,343,134	12,368,293	29,371,237
Division No. 7	181	507	430,062	84,448	762,462	1,611,244
Division No. 8	94	247	214,341	22,663	528,027	862,875
Division No. 9	125	254	199,235	24,795	448,120	817,884
Division No. 10	5	6	3,390	490	7,220	15,280
Totals	783	10,502	30,462,735	6,977,414	55,451,956	123,691,344
Prince Edward Island:						
Kings County	52	454	629,136	94,322	2,718,437	3,913,602
Prince County	60	501	821,888	99,536	5,986,497	7,607,939
Queens County	80	820	1,782,380	207,570	9,101,908	12,975,704
Totals	192	1,775	3,233,404	401,428	17,806,842	24,497,245
Nova Scotia:						
Annapolis	39	392	728,361	101,652	2,353,281	4,008,569
Antigonish	23	176	271,302	30,475	921,971	1,463,048
Cape Breton	119	6,269	22,106,289	4,432,179	41,876,309	78,153,354
Colchester	118	1,859	3,586,875	334,091	9,442,890	16,562,042
Cumberland	94	1,926	4,848,510	592,292	9,773,862	19,165,747
Digby	81	712	1,013,720	121,309	3,266,668	4,980,255
Guysboro	33	469	778,345	59,400	2,180,372	3,311,506
Halifax	245	8,624	25,526,136	3,904,070	76,386,787	133,817,193

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1956 — Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Nova Scotia — Concluded:						
Hants	62	1,093	2,324,539	482,710	5,721,338	9,771,191
Inverness	54	289	276,929	22,440	949,203	1,369,025
King's	73	784	1,551,318	229,843	6,537,493	9,719,633
Lunenburg and Queen's	165	2,945	8,108,443	1,504,440	16,659,313	36,341,710
Pictou	111	3,347	9,152,307	1,134,574	27,364,609	46,757,136
Richmond	28	299	546,140	64,379	1,687,092	2,782,474
Shelburne	56	706	1,185,252	121,551	4,176,305	6,248,893
Victoria	33	91	119,805	15,364	294,082	494,136
Yarmouth	68	956	1,824,239	195,752	5,187,494	9,452,191
Totals	1,402	30,937	83,948,510	13,346,321	214,779,069	384,398,103
New Brunswick:						
Albert	18	197	512,461	162,502	1,476,747	2,386,329
Carleton	52	579	1,061,904	149,677	3,509,055	5,527,277
Charlotte	57	2,261	4,262,921	445,616	8,944,891	16,680,684
Gloucester	103	2,123	6,193,434	1,980,536	16,005,481	31,542,765
Kent	50	423	509,548	70,997	2,692,450	3,351,536
Kings	48	495	1,268,963	714,540	3,193,950	7,049,477
Madawaska	48	1,289	4,539,365	1,445,347	11,984,364	29,691,554
Northumberland	73	1,074	2,799,936	582,038	7,540,311	10,626,550
Queens	33	265	589,194	250,351	898,686	2,282,963
Restigouche	50	2,292	8,807,317	4,639,655	23,290,153	44,394,057
St. John	129	5,198	13,976,226	2,464,657	57,195,016	92,106,428
Sunbury	9	41	57,899	3,559	117,460	240,117
Victoria	43	464	1,035,942	92,669	2,270,711	4,433,847
Westmorland	192	4,501	12,643,569	979,529	30,331,971	50,646,478
York	99	1,358	2,814,622	268,986	6,989,060	12,320,537
Totals	1,004	22,560	61,063,301	14,250,659	176,440,306	313,280,599
Quebec:						
Abitibi	174	1,527	3,243,227	366,866	9,807,339	16,461,721
Argenteuil	69	3,471	10,194,045	736,776	22,235,938	45,195,169
Arthabaska	148	4,472	9,945,766	589,608	25,588,218	42,792,265
Bagot	75	1,515	3,166,037	260,505	12,260,716	18,211,180
Beauce	178	3,014	6,133,368	665,727	14,867,572	27,804,051
Beauharnois	71	6,570	20,570,221	6,367,073	42,017,223	92,441,495
Bellechasse	76	347	562,029	72,732	3,666,313	4,843,065
Berthier	124	1,802	3,435,551	324,527	7,593,511	15,112,402
Bonaventure	81	596	897,749	118,810	2,896,762	4,644,472
Brome	36	267	482,418	59,872	1,845,139	2,990,355
Chambly	138	6,558	21,095,404	1,016,644	31,043,233	70,654,527
Champlain	243	8,598	25,348,306	5,486,124	73,181,893	133,317,058
Charlevoix Est.	37	592	2,115,509	1,032,913	4,518,844	10,849,523
Charlevoix Ouest	37	116	157,351	15,641	533,092	843,954
Chateauguay	39	592	1,318,148	139,522	4,688,672	7,725,710
Chicoutimi	186	11,763	47,878,536	23,798,518	147,183,555	317,895,476
Compton	71	1,639	4,812,572	1,344,792	13,060,395	24,099,904
Deux-Montagnes	63	338	639,806	96,257	2,583,657	3,885,206
Dorchester	122	542	923,473	176,676	5,713,561	7,830,857
Drummond	116	6,320	17,544,737	1,711,323	34,189,035	71,026,988
Frontenac	95	1,290	2,478,896	237,288	5,686,926	9,665,505
Gaspé Est.	93	1,157	2,934,659	1,098,806	8,455,547	14,588,920
Gaspé Ouest	29	469	1,166,577	669,942	8,571,940	26,335,655
Gatineau	53	241	490,742	54,593	1,927,422	3,253,755
Hull	68	6,901	25,545,520	9,301,556	56,311,273	114,066,960
Huntingdon	33	661	1,961,189	206,816	6,187,445	9,415,896
Iberville	44	456	1,123,894	112,392	3,328,160	5,743,888
Iles-de-la-Madeleine	24	528	570,041	58,925	2,154,161	3,330,195
Jésus Island	54	772	1,781,360	150,729	3,772,871	7,540,874

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1956 — Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Quebec — Concluded:						
Joliette	137	3,001	7,915,267	1,189,404	17,130,826	32,276,071
Kamouraska	82	542	924,919	88,625	3,329,963	4,979,981
Labelle	90	836	1,683,123	133,599	4,557,814	8,124,343
Lac-St-Jean Est.	74	2,531	10,204,571	5,000,819	29,700,577	74,675,748
Lac St-Jean Ouest	150	1,407	4,058,781	1,563,134	14,909,616	31,779,852
Laprairie	38	1,160	3,887,201	1,071,369	3,889,204	13,204,505
L'Assomption	71	2,628	7,312,111	518,597	38,694,744	47,163,214
Levis	104	3,847	11,035,026	579,103	16,790,908	28,621,306
L'Islet	92	827	1,781,590	114,925	4,189,965	7,557,662
Lotbinière	102	792	1,486,746	239,291	6,311,898	9,469,504
Maskinongé	74	2,213	4,892,129	477,796	9,913,963	17,383,119
Matane	71	734	1,772,122	106,112	3,746,286	7,180,346
Matapédia	67	464	922,197	84,587	2,708,356	4,298,531
Mégantic	133	2,140	4,919,893	342,320	8,927,570	17,883,387
Missisquoi	73	3,851	10,532,105	779,901	18,859,076	36,173,932
Montcalm	63	440	794,211	69,052	4,038,189	5,789,833
Montmagny	79	1,617	3,903,633	269,505	9,113,245	15,823,411
Montmorency No. 1	43	756	2,750,160	1,660,326	6,816,904	19,234,977
Montmorency No. 2	13	69	151,021	11,250	338,967	552,730
Montréal	4,948	243,894	807,781,767	55,295,061	2,084,275,629	3,719,658,248
Napierville	31	607	1,442,804	117,760	5,426,104	8,767,920
Nicolet	107	899	1,753,330	256,758	8,191,630	11,365,892
Papineau	80	1,934	6,337,707	1,763,387	17,782,684	34,166,125
Pontiac	43	425	1,002,631	78,129	3,785,464	5,612,219
Portneuf	164	3,135	10,165,617	4,142,192	20,579,132	46,235,668
Québec	614	20,514	56,363,556	7,293,736	129,560,745	249,837,560
Richelieu	76	5,405	17,599,557	4,450,236	13,962,608	47,347,427
Richmond	69	3,613	12,435,362	2,854,841	25,815,651	50,173,772
Rimouski	119	1,032	2,359,379	204,609	5,889,976	10,178,815
Rivière-du-Loup	106	704	1,404,668	148,456	5,898,861	8,784,367
Rouville	83	1,566	3,193,769	400,889	11,331,489	18,211,825
Saguenay	63	1,405	6,033,288	1,260,993	18,300,372	34,787,889
Shefford	161	6,858	18,358,269	1,147,006	40,515,112	81,782,426
Sherbrooke	144	8,553	23,888,297	1,726,850	58,302,877	107,300,209
Soulanges	24	111	208,868	20,118	830,306	1,166,311
Stanstead	95	4,616	11,452,731	987,225	42,750,348	64,597,043
St-Hyacinthe	143	5,053	12,226,547	861,791	36,134,365	56,803,666
St-Jean	88	5,220	15,897,686	1,167,255	32,193,036	59,732,220
St-Maurice	194	14,890	52,835,434	19,156,199	118,278,262	268,185,678
Témiscamingue	91	2,444	8,677,669	3,923,487	105,609,461	130,186,586
Témiscouata	72	682	1,443,300	71,876	4,134,620	6,941,297
Terrebonne	235	6,547	16,768,746	1,284,180	33,532,924	64,289,447
Vaudreuil	52	532	1,094,459	79,120	3,320,236	5,428,766
Verchères	71	1,478	4,411,871	1,328,227	13,469,035	26,841,441
Wolfe	53	653	1,163,782	353,889	2,352,363	4,654,515
Yamaska	53	398	669,533	104,417	3,459,892	4,725,889
Totals	12,112	446,137	1,396,414,564	181,050,355	3,605,521,666	6,622,502,699
Ontario:						
Algoma	108	10,026	43,741,225	9,387,258	85,157,965	181,258,249
Brant	220	12,732	41,428,396	2,360,509	85,097,817	163,641,731
Bruce	139	2,167	5,143,781	371,778	11,049,023	20,196,351
Carleton	384	11,682	37,748,876	2,646,095	60,881,464	134,254,057
Cochrane	90	4,417	17,766,859	3,592,107	37,147,873	96,097,368
Dufferin	33	251	540,170	88,402	1,933,541	2,863,714
Dundas	46	716	1,790,208	252,725	12,177,985	19,727,390
Durham	74	2,567	8,817,234	640,628	55,858,598	75,307,662
Elgin	98	3,153	9,538,703	676,384	33,640,859	55,290,956
Essex	505	39,181	152,840,818	10,183,182	372,610,873	691,983,548

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1956 - Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Ontario - Concluded:						
Frontenac	111	6,373	21,965,436	1,739,893	48,421,695	95,530,700
Glengarry	50	364	659,894	106,110	3,013,416	4,209,102
Grenville	58	2,508	8,244,783	1,626,108	30,982,071	52,173,430
Grey	176	4,797	13,683,646	767,127	23,461,939	47,717,386
Haldimand	57	1,901	5,345,981	738,880	17,858,434	30,273,699
Haliburton	24	314	748,769	59,082	1,365,630	2,576,187
Halton	170	11,202	41,205,884	2,734,140	246,628,623	331,724,069
Hastings	231	8,324	25,179,071	3,886,599	47,798,934	106,673,176
Huron	129	1,701	4,070,708	493,560	12,712,109	20,865,395
Kenora	77	2,193	8,158,410	1,758,424	23,490,817	43,038,739
Kent	197	7,499	26,281,324	2,604,657	97,068,178	144,459,911
Lambton	142	9,398	38,708,965	19,703,896	231,022,956	432,542,612
Lanark	123	2,671	6,744,047	598,573	14,738,778	29,839,362
Leeds	110	4,219	14,357,289	982,640	64,225,936	95,545,823
Lennox and Addington	55	1,301	4,085,814	696,231	8,809,790	14,731,542
Lincoln	212	16,070	59,752,476	4,513,307	102,152,575	210,350,940
Manitoulin	26	82	128,017	29,506	469,487	745,245
Middlesex	401	19,268	63,888,756	3,520,020	154,000,641	298,702,078
Muskoka	75	974	2,537,955	192,327	5,810,308	10,106,178
Nipissing	81	2,050	6,440,316	709,882	13,042,287	27,351,922
Norfolk	93	2,235	6,603,239	497,806	43,898,700	59,395,857
Northumberland	121	2,064	5,955,429	460,835	16,102,163	30,089,243
Ontario	202	18,457	75,164,876	3,438,492	307,512,687	482,293,301
Oxford	189	7,307	22,255,188	2,343,363	67,044,416	110,072,609
Parry Sound	92	1,205	3,172,936	327,887	6,428,716	14,507,829
Peel	150	19,459	81,004,759	6,986,163	141,273,340	293,923,887
Perth	151	5,456	16,781,020	2,393,602	38,674,974	72,303,903
Peterborough	138	10,173	38,378,002	1,459,809	86,375,560	156,428,323
Prescott	74	1,158	3,864,675	1,212,722	8,898,048	17,521,254
Prince Edward	58	729	1,341,441	177,513	4,944,841	8,050,028
Rainy River	44	1,078	4,593,483	1,323,363	9,496,986	21,117,503
Renfrew	186	4,803	13,102,239	1,384,182	26,192,005	52,090,021
Russell	51	190	379,699	103,091	3,435,877	4,155,998
Simcoe	239	7,032	20,191,012	1,211,607	42,852,269	80,447,723
Stormont	92	7,700	25,815,360	5,456,296	47,219,037	100,670,333
Sudbury	134	10,759	45,316,454	17,638,672	126,443,223	385,763,140
Thunder Bay	211	8,477	33,435,098	10,067,293	77,693,133	170,054,786
Temiskaming	85	1,374	3,947,234	326,101	7,078,950	13,553,058
Victoria	83	1,874	5,027,351	437,963	8,739,943	18,582,944
Waterloo	555	32,469	104,379,867	5,329,501	210,255,213	423,837,055
Welland	305	26,012	106,703,527	23,686,096	379,916,335	610,759,863
Wellington	215	8,673	28,269,568	1,854,206	55,505,899	107,277,496
Wentworth	681	61,241	239,969,865	29,371,480	513,020,795	1,015,570,535
York	4,864	211,164	753,438,263	34,207,873	1,552,119,376	2,966,873,409
Totals	13,215	641,190	2,310,634,396	229,355,946	5,683,753,088	10,655,098,620
Manitoba:						
Division No. 1	43	290	538,929	55,787	1,927,301	2,954,733
Division No. 2	43	374	785,992	133,790	3,133,138	4,965,725
Division No. 3	25	90	171,443	29,794	1,138,224	1,455,686
Division No. 4	10	92	231,455	41,905	628,002	1,118,296
Division No. 5	58	3,340	12,380,113	2,563,528	38,385,859	74,603,702
Division No. 6	1,012	32,757	101,423,340	7,992,066	277,248,161	471,807,510
Division No. 7	64	1,086	3,105,137	429,039	11,593,628	18,789,775
Division No. 8	19	86	196,209	39,973	1,114,586	1,517,550
Division No. 9	66	3,514	11,563,035	1,229,349	19,354,621	42,544,194
Division No. 10	17	131	357,129	111,088	1,034,802	1,824,950
Division No. 11	19	80	160,345	24,256	1,092,270	1,456,401
Division No. 12	25	99	211,045	62,427	1,204,653	1,580,053

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Division, 1956 — Concluded

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Manitoba — Concluded:						
Division No. 13	25	129	260,959	39,331	1,204,517	1,758,043
Division No. 14	34	108	156,332	21,537	1,085,742	1,489,803
Division No. 15 and 16	74	645	1,964,508	728,409	6,879,262	19,522,764
Totals	1,534	42,821	133,505,971	13,502,279	367,024,766	647,389,185
Saskatchewan:						
Division No. 1	22	119	307,760	53,520	873,313	1,608,152
Division No. 2	11	64	163,110	28,300	395,536	805,597
Division No. 3	8	25	56,801	5,369	72,191	152,467
Division No. 4	10	40	83,726	13,836	196,616	335,345
Division No. 5	31	146	304,984	52,150	1,980,572	2,592,987
Division No. 6	159	3,656	12,432,461	2,864,846	50,956,890	91,333,928
Division No. 7	54	1,374	4,590,350	1,130,933	32,967,575	49,122,270
Division No. 8	17	186	571,661	80,198	1,707,119	3,030,847
Division No. 9	54	324	789,768	166,813	3,236,307	4,845,304
Division No. 10	12	64	125,388	20,170	876,412	1,140,085
Division No. 11	132	3,012	9,694,831	1,165,152	50,316,892	71,289,059
Division No. 12	9	39	115,441	11,237	205,276	419,809
Division No. 14	118	449	839,269	98,006	2,608,794	4,574,050
Division No. 15	65	1,010	3,085,487	284,760	10,563,768	17,371,518
Division No. 16	35	234	552,102	82,658	1,905,274	3,036,591
Division No. 17	28	114	236,886	30,845	930,065	1,388,938
Division No. 18 and 13	33	680	2,733,358	2,147,699	17,078,588	45,156,542
Totals	798	11,536	36,683,383	8,236,492	176,871,188	298,203,489
Alberta:						
Division No. 1	51	1,846	5,329,750	276,391	15,617,384	26,011,941
Division No. 2	101	1,911	5,315,434	589,876	21,033,193	35,347,614
Division No. 3	30	159	340,605	40,618	1,110,819	1,776,518
Division No. 4	15	134	438,171	133,017	1,304,643	3,683,501
Division No. 5	19	75	192,354	27,838	398,822	722,576
Division No. 6	458	11,204	38,796,306	3,619,262	129,645,635	216,497,544
Division No. 7	32	173	438,104	116,622	2,951,101	4,369,979
Division No. 8	170	832	1,906,967	202,623	7,286,497	12,200,144
Division No. 9	35	612	1,959,456	1,117,466	3,622,650	9,131,175
Division No. 10	72	664	1,998,815	541,943	10,099,248	16,329,908
Division No. 11	500	16,238	57,061,739	6,650,765	201,344,420	345,201,744
Division No. 12	77	478	1,130,723	137,056	2,965,183	5,958,011
Division No. 13	108	437	943,460	81,766	4,631,655	6,565,244
Division No. 14	144	609	1,106,002	115,398	3,389,954	6,080,147
Division No. 15	159	1,420	3,237,219	363,870	6,737,043	13,312,693
Totals	1,971	36,792	120,195,105	14,014,511	412,138,247	703,188,739
British Columbia:						
Division No. 1	129	1,601	5,041,899	1,017,664	11,840,845	24,764,370
Division No. 2	173	6,377	24,682,879	4,957,525	94,356,853	156,461,497
Division No. 3	353	4,210	11,611,139	984,508	22,739,995	45,699,559
Division No. 4	1,965	60,863	223,199,675	15,864,037	581,234,919	1,038,977,563
Division No. 5	434	14,755	56,823,108	6,615,709	124,548,285	249,541,544
Division No. 6	290	3,734	11,333,577	1,265,671	26,752,039	49,362,774
Division No. 7	31	3,692	17,145,325	3,350,319	30,380,597	82,676,876
Division No. 8	845	7,328	20,996,944	1,997,510	57,637,130	99,075,598
Division No. 9	60	5,482	21,871,665	6,380,071	55,109,872	106,870,049
Division No. 10	113	553	1,363,177	183,727	3,281,811	5,938,636
Totals	4,393	108,595	393,869,388	42,616,741	1,007,882,346	1,859,368,466
Yukon and Northwest Territories:						
Totals	24	175	681,433	188,560	3,867,415	5,130,497

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1956

MONTREAL METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products	173	5,350	14,415,075	1,544,645	22,236,465	46,990,391
Biscuits	10	2,419	5,431,163	402,153	13,896,076	26,777,133
Butter and cheese	11	1,745	5,457,056	605,022	18,132,032	30,461,459
Confectionery	44	2,480	6,526,059	350,759	18,868,860	37,348,573
Dairy products other	4	177	564,969	73,328	1,678,404	3,456,801
Feeds stock and poultry, prepared	12	546	1,875,257	233,391	24,820,859	31,785,136
Fruit and vegetable preparations	35	994	2,346,298	226,394	11,300,577	16,198,659
Miscellaneous food preparations	61	2,425	7,410,604	637,202	68,843,115	101,384,695
Sausage and sausage casings	18	378	1,039,521	113,149	5,050,900	7,294,862
Slaughtering and meat packing	22	3,644	12,495,280	812,217	99,846,916	119,060,464
Carbonated beverages	29	1,189	4,203,365	433,504	6,943,419	27,583,416
All other industries ¹	27	7,268	28,287,035	2,705,650	123,572,630	217,226,956
Totals	446	28,615	90,451,682	8,137,414	415,190,153	665,568,545
Tobacco and tobacco products:						
Totals	16	5,615	19,502,937	307,401	65,405,098	122,919,163
Rubber products:						
Totals	16	2,415	8,870,588	350,689	11,141,574	24,588,284
Leather products:						
Belting, leather	5	81	258,511	11,921	319,824	687,832
Boot and shoe findings, leather	13	196	524,010	20,195	1,085,300	1,916,155
Footwear, leather	67	6,333	15,069,172	211,217	21,054,545	43,041,646
Gloves and mittens, leather	16	453	910,945	8,940	1,495,601	3,115,755
Leather tanning	4	121	382,056	38,381	723,136	1,359,541
Miscellaneous leather goods	92	2,179	4,668,164	88,838	5,741,180	12,448,417
Totals	197	9,363	21,812,858	379,492	30,419,586	62,569,346
Textiles:						
Awnings, tents and sails	17	306	765,620	37,117	1,869,676	3,343,086
Bags, cotton and jute	13	444	1,067,680	42,738	8,145,529	10,236,900
Cotton yarn and cloth	6	2,825	9,027,702	435,469	10,778,354	20,886,498
Dyeing and finishing of textiles	26	788	2,268,025	274,077	1,549,877	5,282,762
Embroideries, pleating and hemstitching	100	1,298	2,916,472	64,932	2,488,454	7,043,763
Miscellaneous cotton goods	7	194	585,359	79,702	1,705,980	2,895,804
Miscellaneous textiles	80	2,263	5,517,778	203,704	16,584,209	29,167,389
Narrow fabrics	20	593	1,566,418	55,883	2,891,193	5,798,883
All other industries ²	31	3,819	14,156,489	527,857	20,111,475	37,524,698
Totals	300	12,530	37,871,543	1,721,479	66,124,747	122,179,783
Clothing:						
Clothing, children's factory	119	4,956	9,716,988	151,312	23,450,558	39,857,942
Clothing contractors, men's	86	2,040	4,653,062	60,529	487,907	6,151,658
Clothing contractors, women's	68	1,233	2,402,515	29,250	187,223	3,267,081
Clothing, men's factory	257	10,490	27,745,136	309,825	68,665,481	112,279,157
Clothing women's factory	416	16,548	39,823,034	443,844	92,655,655	161,567,654
Corsets	14	869	1,555,402	14,315	2,323,699	6,048,982
Fur goods	233	2,216	6,752,831	115,139	23,240,828	34,159,553
Hats and caps	72	2,059	5,001,509	109,256	6,306,279	14,737,180
Oiled and waterproofed clothing	6	281	735,409	7,420	1,677,020	3,215,384
Miscellaneous clothing	42	784	1,616,911	27,207	3,675,940	6,227,290
All other industries ³	6	574	1,878,904	41,543	788,299	4,102,783
Totals	1,319	42,050	101,881,701	1,309,640	223,458,889	391,614,664
Knitting mills:						
Hosiery	23	1,594	4,073,640	125,466	4,782,523	11,540,976
Other knitted goods	53	2,437	5,138,676	118,214	13,224,154	21,323,395
Totals	76	4,031	9,212,316	243,680	18,006,677	32,864,371
Wood products:						
Boxes and baskets, wood	7	393	989,754	65,934	1,581,577	3,141,296
Cooperage	3	44	135,890	16,366	385,293	609,089
Furniture	317	6,323	18,037,280	630,661	30,648,916	61,243,224
Miscellaneous wood products	26	211	640,647	38,084	1,165,832	2,210,384
Sash, door and planing mills	72	801	2,273,368	133,246	6,521,900	10,858,344
Woodenware	3	23	62,182	2,911	113,379	184,532
All other industries ⁴	13	1,056	2,864,818	98,353	3,955,399	8,314,957
Totals	441	8,851	25,003,939	985,555	44,372,296	86,561,826

See footnotes at the end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

MONTREAL METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Paper products:						
Boxes and bags, paper.....	34	3,399	10,269,528	410,249	29,597,290	47,445,789
Miscellaneous paper goods.....	46	1,073	3,331,467	109,885	9,863,680	16,767,304
All other industries ⁵	7	2,346	12,091,560	590,928	7,933,897	15,692,203
Totals	87	6,818	25,692,553	1,111,062	47,394,867	79,905,296
Printing publishing and allied industries:						
Engraving, electrotyping and stereotyping.....	39	933	4,174,078	81,133	1,738,232	7,849,083
Lithographing.....	14	829	3,216,461	71,099	4,901,736	10,834,895
Printing and bookbinding.....	371	5,621	19,162,595	433,338	17,736,041	49,378,007
Printing and publishing.....	25	4,769	19,913,555	275,185	17,066,530	55,615,716
Publishing (only) of periodicals.....	307	2,471	7,373,571	—	13,094,840	31,770,076
Trade composition.....	9	347	1,362,543	18,071	141,352	2,207,206
Totals	765	14,970	55,202,803	878,826	54,678,731	157,654,983
Iron and steel products:						
Boilers, tanks and platework.....	15	1,622	6,517,177	220,606	9,134,952	19,072,624
Castings, iron.....	10	2,309	8,738,425	548,771	14,746,042	29,011,677
Bridgebuilding and structural steel.....	10	4,155	17,438,074	539,303	31,852,804	58,252,429
Hardware, tools and cutlery.....	60	2,241	7,573,692	314,165	9,508,131	25,802,691
Heating and cooking apparatus.....	12	1,058	3,792,415	135,805	6,775,186	13,119,702
Machinery, household, office and store.....	17	797	2,500,674	60,784	3,498,938	6,345,615
Machinery, industrial.....	31	5,787	23,539,867	708,837	29,954,066	66,610,780
Machine shop.....	64	1,072	3,796,452	163,545	2,539,563	8,066,696
Miscellaneous iron and steel products.....	70	1,209	3,884,445	149,248	4,977,563	11,179,479
Primary iron and steel.....	5	2,471	10,354,619	1,495,396	15,395,826	46,430,899
Sheet metal products.....	68	4,651	16,984,055	608,561	32,285,718	64,469,223
Wire and wire goods.....	30	2,852	11,451,699	594,929	27,639,870	47,023,588
Totals	392	30,224	116,571,594	5,539,950	188,308,659	395,385,403
Transportation equipment:						
Boatbuilding.....	5	26	60,666	—	79,480	158,088
Motor vehicle parts.....	19	320	1,049,298	77,323	1,745,770	3,540,934
Railway rolling stock.....	6	12,487	44,187,987	2,109,219	85,142,275	143,173,231
All other industries ⁶	29	15,921	65,670,614	1,492,213	59,569,933	167,793,741
Totals	59	28,754	110,968,565	3,681,466	146,537,458	314,665,994
Non-ferrous metal products:						
Aluminum products.....	12	1,318	6,121,853	37,024	971,106	2,292,268
Jewellery and silverware.....	77	1,347	3,305,630	50,987	4,847,610	11,214,245
White metal alloys.....	15	442	1,735,999	109,516	9,091,089	11,763,084
All other industries.....	41	3,708	13,994,491	1,718,127	240,099,911	277,726,467
Totals	145	6,815	25,157,973	1,915,654	255,009,716	302,996,064
Electrical apparatus and supplies:						
Machinery, heavy electrical.....	9	996	3,809,835	71,955	5,187,733	11,216,846
Miscellaneous electrical apparatus and supplies ⁷	36	11,841	47,442,083	963,007	70,545,350	144,015,728
Refrigerators, vacuum cleaners and appliances.....	12	1,432	5,104,231	352,269	12,066,844	22,943,699
Telecommunication equipment.....	24	6,412	21,584,711	219,414	26,279,228	50,816,270
Totals	81	20,681	77,940,860	1,606,645	114,079,155	228,992,543
Non-metallic mineral products:						
Concrete products.....	49	2,060	6,784,312	1,038,032	16,933,553	33,888,539
Glass and glass products.....	29	2,523	8,802,726	2,011,680	8,141,052	24,161,135
Miscellaneous non-metallic mineral products.....	11	136	524,280	94,185	801,014	1,626,616
Stone products.....	12	169	589,527	45,939	684,952	1,638,982
All other industries ⁸	11	1,986	7,667,911	4,663,545	12,065,094	38,807,400
Totals	112	6,874	24,378,756	7,853,381	38,625,665	100,122,672
Products of petroleum and coal:⁹						
Totals	11	3,518	16,178,176	17,523,972	281,347,102	457,581,257
Chemicals and allied products:						
Acids, alkalis and salts.....	5	903	4,710,156	497,202	10,691,211	14,910,486
Adhesives.....	9	132	435,543	43,947	1,529,415	3,035,452
Gases, compressed.....	7	250	895,248	155,240	700,460	4,990,204
Inks.....	7	107	334,732	15,707	735,597	1,696,834
Medicinal and pharmaceutical preparations.....	72	3,275	11,324,138	331,006	15,352,406	51,058,723
Miscellaneous chemical products.....	50	1,177	5,475,303	174,764	5,704,632	11,980,933
Paints, varnishes and lacquers.....	28	2,263	8,618,569	250,401	19,225,740	37,336,608
Polishes and dressings.....	12	165	541,025	31,134	2,029,249	3,293,145
Primary plastics.....	4	629	2,790,036	129,760	6,504,600	9,008,797
Soaps, washing compounds and cleaning preparations.....	34	454	1,379,021	113,928	3,485,697	8,158,134
Toilet preparations.....	29	825	2,335,057	44,820	5,506,343	13,718,768
All other industries ¹⁰	6	371	1,800,181	179,839	8,688,234	11,438,418
Totals	263	10,551	40,639,009	1,967,748	80,153,584	170,626,502

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 - Continued**

MONTREAL METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	24	322	589,929	15,084	804,918	1,734,396
Brooms, brushes and mops	25	349	749,593	26,278	1,484,762	2,708,551
Buttons, buckles and fasteners	29	741	1,740,927	57,535	3,287,989	6,220,221
Candles	6	70	180,172	16,305	351,486	732,085
Clocks, watches and watch cases	16	115	369,992	10,028	1,398,650	2,271,825
Hair goods	4	32	84,569	2,454	338,159	451,857
Instruments and related products	17	1,557	5,582,024	82,019	7,298,378	15,640,384
Lamps, electric and lamp shades	35	654	1,445,908	39,322	3,236,187	5,644,258
Models and patterns (excluding paper)	9	63	265,738	6,982	103,451	531,489
Ophthalmic goods	4	66	172,784	7,566	185,129	443,859
Orthopaedic and surgical appliances	5	29	87,733	2,020	58,096	268,473
Other miscellaneous industries	8	353	1,018,136	35,581	1,568,718	3,883,921
Pipes, lighters and smokers supplies	4	32	73,757	5,353	84,762	231,897
Plastic products	37	628	1,821,290	106,835	5,324,714	10,292,943
Signs, electric, neon and other	45	620	1,987,090	100,951	1,454,466	4,861,771
Sporting goods	10	148	289,934	8,568	478,605	941,754
Stamps and stencils, rubber and metal	14	125	400,729	10,048	313,844	917,214
Statuary, art goods and regalia	29	246	586,240	26,845	483,631	1,341,658
Toys and games	10	477	1,243,463	66,666	1,973,583	4,036,272
All other industries ¹¹	17	662	1,676,023	100,228	2,733,632	6,683,977
Totals	348	7,289	20,366,031	726,666	32,963,160	69,838,805
Grand totals, Metropolitan Montreal	5,074	249,964	827,703,886	56,240,720	2,113,216,117	3,786,635,501

¹ Includes: Animal oils and fats, 1; breakfast foods, 2; breweries, 4; cheese, processed, 4; distilled liquors, 4; feed mills, 1; flour mills, 3; macaroni and kindred products, 5; sugar refining, 2; wines, 1.

² Includes: Automobile accessories, fabric, 3; cordage, rope and twine, 1; cotton thread, 6; miscellaneous woollen goods, 3; oilcloth, linoleum and coated fabrics, 9; synthetic textiles and silk, 4; woollen cloth, 2; woollen yarn, 3.

³ Includes: Fur dressing and dyeing, 5; gloves and mittens, fabric, 1.

⁴ Includes: Excelsior, 1; flooring, hardwood, 2; lasts, trees and shoe findings, 4; morticians' supplies, 2; veneers and plywoods, 1; wood preservation, 1; woodturning, 2.

⁵ Includes: Pulp and paper mills, 3; roofing paper, 4.

⁶ Includes: Aircraft and parts, 22; bicycles and parts, 2; motor vehicles, 1; shipbuilding, 4.

⁷ Includes: Batteries, 2.

⁸ Includes: Abrasive products, 1; asbestos products, 2; clay products from domestic clay, 1; clay products from imported clay, 3; cement, hydraulic, 1; gypsum products, 2; sand-lime brick, 1.

⁹ Includes: Coke and gas products, 2; miscellaneous products of petroleum and coal, 2; petroleum products, 7.

¹⁰ Includes: Coal tar distillation, 2; fertilizers, 2; vegetable oils, 2.

¹¹ Includes: Musical instruments, 2; fountain pens and pencils, 6; ice, artificial, 3; typewriter supplies, 2; umbrellas, 4.

The following Municipalities are Included in Greater Montreal

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Dorval	11	98	276,155	12,549	486,665	967,598
Jacques Cartier	30	3,313	12,326,679	568,416	15,543,543	40,990,259
L'Abord-à-Plouffe	9	108	258,583	21,206	395,801	897,916
Lachine	75	12,706	50,525,519	1,922,211	93,705,650	186,507,045
Lasalle	48	5,769	20,651,791	3,489,647	67,147,462	128,269,992
Laval-des-Rapides	7	78	202,194	20,686	376,408	782,821
Longueuil	28	1,146	3,100,899	101,441	4,409,195	8,455,794
Montreal (city proper)	4,289	182,758	582,256,675	22,354,978	1,175,253,762	2,207,686,246
Montreal East	39	6,816	28,233,541	21,555,175	523,722,029	739,194,053
Montreal North	32	1,051	3,723,246	183,881	8,020,472	13,296,346
Montreal West	8	150	407,121	15,633	682,005	1,650,000
Mount-Royal	38	6,317	20,301,708	600,980	57,714,357	101,077,840
Outremont	59	1,807	5,492,520	206,767	12,815,739	24,507,545
Pointe-aux-Trembles	15	363	982,929	79,354	3,083,936	4,994,567
Pointe Claire	3	19	54,633	596	75,384	155,218
Pont-Viau	10	222	480,553	26,900	820,796	1,600,900
Ste-Genevieve-de-Pierrefonds	7	53	105,031	11,685	350,480	550,988
St. Lambert	24	865	2,610,380	112,685	4,718,257	9,758,635
St-Michel	92	1,473	4,516,846	430,072	10,745,400	19,999,593
St-Laurent	76	15,581	59,690,514	2,047,819	67,710,105	176,384,616
Verdun	71	1,947	4,850,124	154,829	10,681,622	19,470,383
Westmount	38	1,908	6,198,735	457,877	6,856,062	18,384,680
All other ¹	65	5,416	20,457,510	1,865,333	47,900,987	81,052,466
Totals	5,074	249,964	827,703,886	56,240,720	2,113,216,117	3,786,635,501

¹ Includes: Anjou; Baie-d'Urfé; Beaconsfield; Côte-St-Luc; Greenfield Park; Hampstead; Le Moyne; Mackayville; Montreal South; Preville; Roxboro Ste-Anne-de-Bellevue; St-Léonard-de-Port-Maurice; St-Pierre; parishes of, Asile-St-Jean-de-Dieu; Notre-Dame-de-Liesse; Ste-Anne-du-Bout-de-l'Île; Ste-Genevieve Parish; St-Joachim-de-la-Pointe-Claire; St-Joseph-de-la-Rivière-des-Prairies; St-Léonard-de-Port-Maurice Parish; St-Raphaël-de-l'Île-Bizard.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued

TORONTO METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Biscuits.....	5	1,443	4,052,276	263,414	8,769,363	21,375,416
Bread and other bakery products.....	218	6,331	19,296,623	1,616,094	28,769,808	59,304,198
Breweries.....	5	1,260	5,808,469	374,939	7,766,395	28,384,181
Butter and cheese.....	6	1,701	6,320,266	520,390	16,453,475	27,172,293
Confectionery.....	45	3,708	9,580,207	554,187	27,623,138	51,966,508
Dairy products, other.....	8	77	228,038	51,304	956,287	1,643,657
Feed mills.....	4	13	25,998	2,932	222,812	258,101
Feeds, stock and poultry, prepared.....	12	567	1,861,747	163,110	18,387,671	24,374,622
Fruit and vegetable preparations.....	24	1,747	6,275,912	299,601	21,894,462	39,232,301
Miscellaneous food preparations.....	65	2,484	8,497,551	713,040	52,871,110	77,525,983
Sausage and sausage casings.....	20	304	839,043	78,695	4,179,621	5,897,533
Slaughtering and meat packing.....	18	5,295	21,628,633	1,421,366	155,521,457	204,612,715
Carbonated beverages.....	20	1,167	4,362,402	315,542	4,429,317	16,339,207
Wines.....	4	121	556,158	24,081	732,800	2,226,495
All other industries ¹	18	1,099	3,873,962	468,709	21,299,857	31,133,912
Totals.....	472	27,317	93,207,285	6,867,384	369,877,573	591,447,122
Tobacco and tobacco products:						
Totals.....	5	137	301,371	6,856	581,836	1,236,889
Rubber products:						
Totals.....	17	5,811	22,770,252	1,502,755	47,171,475	101,401,896
Leather products:						
Footwear leather.....	36	1,498	3,691,513	51,682	4,750,018	9,994,795
Miscellaneous leather goods.....	55	1,095	2,578,634	61,365	3,463,752	7,040,382
All other industries ²	10	672	2,330,634	179,515	6,273,355	10,068,794
Totals.....	101	3,265	8,600,781	292,562	14,487,125	27,103,971
Textiles:						
Automobile accessories, fabric.....	6	21	70,297	5,037	82,389	200,901
Awnings, tents and sails.....	22	295	661,215	32,935	1,873,971	2,939,099
Bags cotton and jute.....	6	143	347,261	20,237	2,472,484	3,116,968
Dyeing and finishing of textiles.....	12	262	812,558	61,103	391,248	1,881,009
Embroideries, pleating, hemstitching etc.....	34	300	694,124	20,770	611,081	1,659,853
Miscellaneous textiles.....	52	1,219	3,220,459	119,671	9,502,698	14,666,891
Miscellaneous woollen goods.....	11	396	1,453,265	95,642	7,323,198	10,569,068
Narrow fabrics.....	12	187	501,230	14,183	764,187	1,481,676
Woollen yarn.....	6	714	1,820,095	119,495	4,837,631	7,996,632
All other industries ³	21	2,045	7,048,189	344,488	13,410,945	21,465,072
Totals.....	182	5,582	16,628,693	833,561	41,269,832	65,977,169
Clothing:						
Clothing children's factory.....	35	1,101	2,249,361	24,020	3,528,880	7,851,086
Clothing, contractors, men's.....	15	150	390,042	8,668	101,446	562,118
Clothing, contractors, women's.....	10	81	178,165	3,997	85,999	392,695
Clothing, men's factory.....	104	6,931	18,096,682	205,519	27,201,964	53,093,262
Clothing, women's factory.....	179	5,311	14,620,654	162,418	23,123,251	45,520,594
Corsets.....	14	1,084	2,408,087	24,293	3,140,086	7,704,027
Fur goods.....	139	1,213	4,207,252	112,266	10,615,385	16,904,568
Fur dressing and dyeing.....	4	200	568,492	22,417	196,379	963,846
Hats and caps.....	48	966	2,580,138	51,879	2,850,365	6,474,889
Miscellaneous clothing.....	20	481	1,080,241	22,808	2,025,909	3,819,438
Oiled and waterproofed clothing.....	5	143	306,954	8,816	741,691	998,415
Totals.....	573	17,661	46,686,068	647,101	73,611,355	144,284,938
Knitting mills:						
Hosiery.....	12	609	1,550,136	42,808	1,990,520	4,780,734
Other knitted goods.....	30	1,745	4,426,683	129,604	9,888,427	16,991,667
Totals.....	42	2,354	5,976,819	172,412	11,878,947	21,772,401
Wood products:						
Flooring, hardwood.....	3	227	877,059	36,989	1,676,066	2,815,894
Furniture.....	325	5,423	16,734,979	584,043	34,749,859	62,467,175
Miscellaneous wood products.....	38	516	1,784,842	54,647	2,537,361	5,070,530
Sash door and planing mills.....	79	1,022	3,278,090	187,909	7,225,428	12,962,940
Woodturning.....	5	40	129,562	3,673	80,537	259,099
All other industries ⁴	17	591	1,782,968	44,523	2,067,823	4,586,343
Totals.....	467	7,819	24,587,500	911,784	48,337,074	88,161,981

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton
Windsor, Winnipeg and Vancouver, 1956 — Continued**

TORONTO METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Paper products:						
Boxes and bags, paper.....	53	4,359	14,845,542	465,208	40,481,149	65,721,918
Miscellaneous paper goods ⁵	69	3,888	12,834,743	554,209	30,315,908	57,293,574
Pulp and paper mills	7	1,533	8,885,787	1,539,059	13,142,493	24,681,352
Totals.....	129	9,780	36,566,072	2,558,476	83,939,550	147,696,844
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	51	2,213	10,339,806	192,682	4,354,981	19,136,338
Lithographing	31	1,637	6,757,130	120,040	9,582,532	20,592,415
Printing and book binding	402	8,614	31,166,199	731,030	33,335,358	87,601,878
Printing and publishing	49	8,035	35,263,673	675,638	29,632,713	93,725,978
Publishing (only) of periodicals	361	1,305	3,276,571	—	8,071,378	17,402,019
Trade composition	18	586	2,349,466	35,368	247,621	3,582,513
Totals.....	912	22,390	89,152,845	1,754,758	85,224,583	242,041,141
Iron and steel products:						
Boilers, tanks and plate work	20	2,912	11,546,706	482,521	15,257,860	35,035,287
Bridgebuilding and structural steel	10	2,232	10,288,392	317,010	16,175,206	36,854,360
Castings, iron	14	1,582	5,968,755	270,861	10,212,235	23,795,134
Hardware, tools and cutlery	116	3,371	12,459,916	507,366	14,728,249	36,959,616
Heating and cooking apparatus	28	3,015	11,861,091	437,111	24,188,145	43,445,766
Machine shops	79	941	3,025,565	100,946	1,755,759	6,318,246
Machinery, household, office and store	27	4,281	15,763,499	309,526	33,132,912	68,364,605
Machinery, industrial ⁶	76	7,483	29,884,595	862,348	42,651,953	99,934,788
Miscellaneous iron and steel products	82	2,946	11,109,960	567,963	10,227,458	28,336,684
Sheet metal products	82	5,666	21,637,755	906,799	40,524,522	80,713,849
Wire and wire goods	28	427	1,471,098	91,313	3,513,381	6,467,948
Totals.....	562	34,856	135,017,832	4,853,764	212,367,680	456,226,283
Transportation equipment:						
Motor vehicle parts	32	3,279	12,043,784	487,475	23,749,505	46,055,214
All other industries ⁷	17	6,390	24,305,352	481,944	32,824,062	51,553,846
Totals.....	49	9,669	36,349,136	969,419	56,573,567	97,609,060
Non-ferrous metal products:						
Aluminum products	29	1,521	5,476,589	371,770	7,423,190	15,995,159
Brass and copper products	38	2,682	10,973,424	761,947	43,191,950	64,135,772
Jewellery and silverware	79	1,848	5,828,163	171,326	18,048,256	27,920,981
Miscellaneous non-ferrous metal products	8	692	3,125,117	169,892	5,714,532	11,353,429
White metal alloys	15	1,440	5,101,524	445,291	21,102,132	30,297,238
Totals.....	169	8,183	30,504,817	1,920,226	95,480,060	149,702,579
Electrical apparatus and supplies:						
Batteries	6	1,198	4,793,677	307,626	15,302,254	24,139,716
Machinery, heavy, electrical	27	5,678	23,561,920	470,531	32,150,096	64,782,689
Miscellaneous electrical products	63	6,237	24,132,132	948,507	58,325,479	112,413,117
Refrigerators, vacuum cleaners and appliances	31	3,097	11,477,750	596,085	25,186,337	45,602,497
Telecommunication equipment	45	7,213	25,274,266	606,142	48,337,023	86,686,956
Totals.....	172	23,423	89,239,745	2,928,891	179,301,189	333,624,975
Non-metallic mineral products:						
Clay products from domestic clay	8	590	2,321,395	849,525	181,630	5,651,506
Concrete products	47	1,251	5,298,769	508,604	12,349,512	25,580,011
Glass and glass products	39	1,544	5,576,835	886,656	6,230,200	16,385,806
Miscellaneous non-metallic mineral products	11	99	406,168	51,914	1,892,087	2,523,473
Sand-lime brick	3	94	307,967	39,564	187,228	748,533
Stone products	21	375	1,338,789	189,555	1,574,870	4,551,778
All other industries ⁸	7	158	739,455	36,241	723,786	1,756,929
Totals.....	136	4,111	15,989,378	2,562,059	23,139,373	57,198,096
Products of petroleum and coal:⁹						
Totals.....	12	2,234	11,967,381	162,620	8,619,162	15,233,624

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued

TORONTO METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number					
Chemicals and allied industries:						
Acids, alkalies and salts	3	420	2,266,123	239,512	2,976,070	5,586,853
Adhesives	10	315	1,187,184	206,396	2,858,725	6,281,174
Fertilizers	3	81	291,764	29,729	2,967,568	3,695,014
Gases, compressed	6	461	1,566,935	114,532	610,232	3,796,881
Inks	20	859	3,328,133	123,202	5,877,120	13,861,113
Medicinal and pharmaceutical preparations	53	2,361	7,255,930	194,643	10,430,308	32,515,775
Miscellaneous chemical products	64	797	3,024,004	301,538	10,639,082	20,447,602
Paints, varnishes and lacquers	40	2,174	8,209,260	424,009	27,043,537	53,479,689
Polishes and dressings	16	272	911,746	55,154	2,907,695	6,219,075
Primary plastics	6	154	661,880	58,414	4,668,171	6,303,044
Soaps, washing compounds and cleaning preparations	35	2,277	9,237,290	722,864	25,029,836	59,906,168
Toilet preparations	37	871	2,524,623	53,644	5,704,210	15,777,178
All other industries ¹⁹	5	499	2,069,615	659,505	22,532,457	27,773,932
Totals.....	298	11,541	42,534,487	3,183,142	124,245,011	255,643,298
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	10	93	178,374	9,848	114,985	472,030
Brooms, brushes and mops	11	380	1,083,905	21,135	1,587,900	3,422,096
Buttons, buckles and fasteners	6	154	433,774	15,085	491,043	1,097,423
Clocks, watches and watch cases	11	304	1,000,806	13,726	4,103,965	7,377,700
Fountain pens and pencils	6	424	1,336,498	29,261	1,679,745	4,647,597
Hair goods	6	70	218,844	7,466	494,399	945,489
Ice artificial	5	132	443,538	110,060	59,311	968,768
Instruments and related products	35	2,922	12,449,278	353,840	13,499,624	41,737,522
Lamps, electric and lamp shades	24	575	1,363,398	51,072	2,346,721	4,926,017
Models and patterns (excluding paper)	21	168	669,767	24,325	223,361	1,187,198
Musical instruments	11	434	1,383,445	63,258	1,650,043	3,847,471
Ophthalmic goods	6	380	1,219,371	27,030	817,889	1,771,649
Orthopaedic and surgical appliances	9	141	343,220	12,010	378,424	1,068,010
Other miscellaneous industries	15	423	1,290,885	39,889	2,058,114	5,286,857
Plastic products	45	1,695	4,404,765	175,104	8,405,737	17,125,414
Signs electric neon and other	76	764	2,580,012	106,785	2,559,001	6,932,061
Sporting goods	18	652	1,967,979	63,410	2,168,239	5,984,322
Stamps and stencils, rubber and metal	18	330	1,110,366	31,005	553,502	1,999,793
Stationary, art goods and regalia	33	303	759,688	25,955	888,668	2,086,730
Toys and games	28	912	2,060,395	90,767	4,398,469	8,098,625
Typewriter supplies	5	325	966,571	26,098	2,271,365	4,608,562
All other industries ¹⁹	7	146	484,783	16,565	1,441,621	2,467,138
Totals.....	406	11,727	37,749,662	1,313,694	52,192,126	128,058,672
Grand totals, Metropolitan Toronto	4,704	207,860	743,830,124	33,441,464	1,528,297,515	2,924,420,939

¹ Includes: Animal oils and fats, 4; breakfast foods, 3; cheese processed, 3; distilled liquors, 3; flour mills, 1; macaroni and kindred products, 4.

² Includes: Belting, leather, 1; boot and shoe findings, leather, 3; leather gloves and mittens, 3; leather tanning, 3.

³ Includes: Carpets, mats and rugs, 4; cordage, rope and twine, 2; cotton thread, 3; cotton yarn and cloth, 2; linoleum and coated fabrics, 3; miscellaneous cotton goods, 3; synthetic textiles and silk, 1; woollen cloth, 3.

⁴ Includes: Boxes and baskets, wood, 7; cooperage, 1; excelsior, 2; morticians supplies, 2; sawmills, 2; woodenware, 3.

⁵ Includes: Roofing paper, 2.

⁶ Includes: Agricultural implements, 1; machine, tools 1.

⁷ Aircraft and parts, 7; bicycles and parts, 2; boatbuilding, 2; miscellaneous transportation equipment, 2; motor vehicles 1; railway rolling stock, 2; shipbuilding, 1.

⁸ Includes: Abrasive products, 1; asbestos products, 2; clay products from imported clay, 4.

⁹ Includes: Miscellaneous products of petroleum and coal, 6; petroleum products, 6.

¹⁰ Includes: Coal tar distillation, 2; vegetable oils, 3.

¹¹ Includes: Candles, 1; pipes, lighters and smokers' supplies, 4; umbrellas, 2.

The Following Municipalities are Included in Greater Toronto

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number					
Toronto (city proper)	3,411	133,758	470,860,187	19,997,349	962,271,402	1,797,706,145
Etobicoke Township	225	10,787	38,181,624	2,389,096	73,225,844	158,966,916
Forest Hill	11	41	106,067	9,629	179,896	330,120
Leaside	51	8,325	30,553,396	1,182,500	67,401,162	132,605,940
Long Beach	25	1,469	5,260,367	277,528	9,039,226	19,425,706
Mimico	44	993	3,266,057	186,229	6,873,011	13,039,873
New Toronto	48	7,794	32,082,448	2,160,181	107,042,854	196,959,953
Scarboro Township	248	10,280	36,665,428	2,259,793	69,540,842	139,599,646
Swansea	18	935	3,469,054	322,570	7,618,329	14,756,212
Weston	67	3,355	12,741,913	636,454	24,868,351	48,622,502
York Township	218	11,636	44,461,537	1,651,451	77,102,132	168,993,540
York East Township	92	4,896	17,390,775	998,831	36,771,766	68,695,333
York North Township	246	13,591	48,791,271	1,369,853	86,342,703	164,718,952
Totals, Metropolitan Toronto	4,704	207,860	743,830,124	33,441,464	1,528,297,515	2,924,420,939

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued

HAMILTON METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number					
Foods and beverages:						
Bread and other bakery products	58	1,359	3,834,753	387,720	4,390,853	9,993,878
Confectionery	7	248	668,532	39,389	1,463,954	3,690,597
Feed mills	6	21	54,610	11,929	424,093	536,350
Feeds, stock and poultry, prepared	5	29	45,300	4,671	166,880	244,800
Fruit and vegetable preparations	17	1,347	2,977,598	187,289	9,390,817	14,656,540
Carbonated beverages	11	165	4,477,468	63,575	862,844	2,289,080
All other industries ¹	27	1,568	5,473,239	494,160	37,643,089	52,314,236
Totals	131	4,737	13,531,500	1,188,733	54,342,530	83,725,481
Leather products:						
Footwear, leather	3	294	693,368	10,257	1,036,251	2,114,857
All other industries ²	3	6	13,893	2,012	33,335	52,767
Totals	6	300	707,261	12,269	1,069,586	2,167,624
Textiles:						
Awnings, tents and sails	6	76	181,628	3,076	213,560	429,552
Cotton yarn and cloth	6	2,393	6,242,088	402,189	10,360,839	19,016,273
All other industries ³	13	681	1,995,680	107,592	4,682,317	8,934,667
Totals	25	3,150	8,419,396	512,857	15,256,716	28,380,492
Clothing:						
Clothing men's factory	8	930	2,140,329	29,967	2,498,782	5,957,773
Fur goods	4	14	37,937	2,268	76,270	164,880
All other industries ⁴	8	66	135,443	3,212	148,576	361,180
Totals	20	1,010	2,313,709	35,447	2,723,628	6,483,833
Knitting mills:⁵						
Totals	8	1,725	3,769,670	138,707	4,653,843	10,822,036
Wood products:						
Boxes and baskets, wood	5	111	248,496	7,677	332,075	718,228
Furniture	32	197	648,446	22,728	528,030	1,323,703
Sash, door and planing mills	15	393	1,286,188	105,600	2,465,580	4,466,466
All other industries ⁶	10	161	427,673	30,575	814,034	1,604,422
Totals	62	862	2,610,803	166,580	4,139,719	8,112,819
Paper products:						
Boxes and bags, paper	13	931	3,150,583	142,333	10,954,687	17,970,524
Miscellaneous paper goods ⁷	8	773	2,569,114	124,558	7,366,045	12,308,227
Totals	21	1,704	5,719,697	266,891	18,320,732	30,278,751
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	6	151	884,117	18,836	234,672	1,479,032
Printing and bookbinding	59	626	2,277,487	68,753	3,769,903	7,552,973
Publishing (only) of periodicals	23	234	119,795	—	246,087	427,783
All other industries ⁸	10	731	2,811,741	65,841	2,895,885	9,195,719
Totals	98	1,742	6,093,140	153,430	7,146,547	18,655,507
Iron and steel products:						
Castings, iron	9	709	2,741,418	186,854	8,586,041	13,225,267
Hardware, tools and cutlery	19	741	2,753,231	117,835	2,182,729	6,555,305
Machine shops	16	201	617,919	19,176	825,494	2,023,069
Machinery, industrial	13	1,368	5,853,604	212,212	9,476,033	18,371,707
Miscellaneous iron and steel products	18	225	849,604	32,221	1,572,795	2,663,473
Sheet metal products	25	1,877	7,626,025	393,581	15,247,671	23,434,580
Wire and wire goods	18	3,073	12,953,434	770,694	29,944,537	51,487,244
All other industries ⁹	19	17,555	82,926,980	18,552,811	169,034,628	359,849,587
Totals	137	25,749	116,322,215	20,285,384	236,869,928	477,630,232
Non-ferrous metal products:						
Brass and copper products	8	444	1,704,461	119,635	4,485,624	7,438,204
Jewellery and silverware	5	116	301,773	8,187	368,663	917,564
All other industries ¹⁰	9	389	1,468,020	153,090	3,832,460	6,350,077
Totals	22	949	3,474,254	280,912	8,686,747	14,705,845
Electrical apparatus and supplies¹¹						
Totals	21	9,872	40,656,158	1,073,873	33,765,431	97,281,799

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto
Hamilton, Windsor, Winnipeg and Vancouver, 1936 - Continued
HAMILTON METROPOLITAN AREA - Concluded**

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Non-metallic mineral products:						
Clay products from domestic clay	7	232	786,402	272,597	55,740	1,926,674
Concrete products	17	589	1,796,129	205,543	2,261,818	5,475,466
Stone products	5	62	235,260	16,526	246,532	593,578
All other industries ¹²	15	1,814	6,492,955	1,324,117	7,678,863	17,876,054
Totals	44	2,697	9,310,746	1,818,783	10,242,953	25,871,772
Products of petroleum and coal ¹³ :						
Totals	7	884	3,591,034	1,856,680	26,057,546	46,032,440
Chemicals and allied products:						
Miscellaneous chemicals products	12	272	1,116,495	63,747	3,892,921	7,214,872
Polishes and dressings	5	58	173,022	8,382	380,608	770,844
All other industries ¹⁴	20	1,078	4,760,964	544,750	25,537,890	51,372,375
Totals	37	1,408	6,050,481	616,879	29,811,419	59,358,091
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	7	304	844,602	30,917	1,482,035	3,980,307
Models and patterns (excluding paper)	4	21	92,639	1,164	19,738	180,983
Plastic products	4	99	218,392	4,319	420,139	753,568
Signs, electric, neon and others	19	126	338,844	25,193	315,572	877,911
Sporting goods	3	22	53,590	870	42,360	117,324
All other industries ¹⁵	17	272	748,169	39,068	1,117,176	2,446,389
Totals	54	844	2,296,236	101,531	3,397,020	8,356,482
All other major groups: ¹⁶						
Totals	14	4,685	18,425,270	1,031,706	64,309,082	111,754,309
Grand totals metropolitan Hamilton	707	62,318	243,291,570	29,540,671	520,793,427	1,029,717,603

¹ Includes: Animal oils and fats, 1; biscuits, 3; breweries, 1; butter and cheese, 3; flour mills, 1; macaroni and kindred products, 1; miscellaneous food preparations, 8; sausages and sausage casings, 5; slaughtering and meatpacking, 4.

² Includes: Belting, leather, 1; gloves, leather, 1; miscellaneous leather goods, 1.

³ Includes: Bags, cotton and jute, 1; carpets, mats and rugs, 1; cordage, rope and twine, 1; cotton thread, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, etc., 2; miscellaneous textiles, 2; miscellaneous woollen goods, 2; narrow goods, 1; woollen yarn, 1.

⁴ Includes: Clothing, children's factory, 1; clothing, women's factory, 1; corsets, 1; hats and caps, 4; miscellaneous clothing, 1;

⁵ Includes: Hosiery, 1; other knitted goods, 7.

⁶ Includes: Cooperage, 1; flooring, hardwood, 1; lasts trees and shoe findings, 2; miscellaneous wood products, 3; mortician's supplies, 2; sawmills, 1.

⁷ Includes: Roofing paper, 2.

⁸ Includes: Lithographing, 2; printing and publishing, 6; trade composition, 2.

⁹ Includes: Agricultural implements, 1; boilers, tanks and platework, 3; fabricated and structural steel, 1; heating and cooking apparatus, 2;

machine tools, 3; machinery, household, office and store, 3; primary iron and steel, 6.

¹⁰ Includes: Aluminum products, 4; miscellaneous non-ferrous metal products, 1; white metal alloys, 4.

¹¹ Includes: Batteries, 2; machinery, heavy, electrical, 3; miscellaneous electrical apparatus and supplies, 7; refrigerators, vacuum cleaners and appliances, 5; tele-communication equipment, 4.

¹² Includes: Abrasive products, 3; asbestos products, 3; clay products from domestic clay, 4; glass and glass products, 3; miscellaneous non-metallic mineral products, 2.

¹³ Includes: Coke and gas products, 4; miscellaneous products of petroleum and coal, 2; petroleum products, 1.

¹⁴ Includes: Acids, alkalies and salts, 1; coal tar distillation, 1; fertilizers, 1; gases compressed, 1; medicinal and pharmaceutical preparations, 3; paints, varnishes and lacquers, 3; soaps, washing compounds and cleaning preparations, 7; toilet preparations, 2; vegetable oils, 1.

¹⁵ Includes: Buttons, buckles and fasteners, 1; ice, artificial, 2; lamps, electric and lamp shades, 1; ophthalmic goods, 2; orthopaedic and surgical appliances, 1; stamps and stencils, rubber and metal, 5; toys and games, 5.

¹⁶ Includes: Tobacco and tobacco products, 1; rubber products, 5; transportation equipment: boatbuilding, 1; motor vehicles, 1; motor vehicle parts, 2; railroad rolling stock, 4.

The Following Municipalities are Included in Greater Hamilton

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Hamilton (city proper)	585	58,742	232,166,085	28,649,240	498,410,570	987,728,987
Burlington	24	765	2,137,097	122,899	5,126,959	9,117,848
Dundas	35	1,386	4,718,774	390,998	5,917,856	13,229,160
Waterdown	6	43	90,703	4,352	292,225	459,070
Stoney Creek	8	54	145,209	12,357	171,067	383,135
Barton Township	12	86	258,716	16,485	400,093	832,505
Nelson Township	8	365	1,323,543	65,926	4,015,940	6,575,398
All other ¹	29	877	2,453,443	278,414	6,458,717	11,391,500
Totals	707	62,318	243,291,570	29,540,671	520,793,427	1,029,717,603

¹ Includes: Burlington Beach, Ancaster Township, Flamborough East Township, Flamborough West Township, Saltfleet Township.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

WINDSOR METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products	23	523	1,454,517	176,085	1,796,552	3,900,352
Confectionery	3	7	17,046	1,893	26,451	52,281
Fruit and vegetable preparations	5	250	570,815	31,906	1,607,296	2,147,691
Miscellaneous food preparations	5	34	70,899	24,539	261,124	444,275
Sausage and sausage casings	3	26	70,772	5,935	223,114	296,729
Carbonated beverages	6	105	316,333	39,733	457,401	1,523,658
All other industries ¹	14	1,977	7,385,804	640,432	21,130,190	57,406,879
Totals	59	2,922	9,886,186	920,523	25,502,128	65,771,865
Textile:²						
Totals	10	760	2,559,463	100,646	4,477,905	8,168,341
Clothing:³						
Total	11	258	584,092	15,735	569,633	1,952,108
Wood product:						
Furniture	29	129	412,633	24,529	1,018,264	1,612,176
Sash, door and planing mills	15	109	308,450	18,059	447,698	957,657
All other industries ⁴	5	38	100,643	6,026	232,748	440,219
Totals	49	276	821,726	48,614	1,698,710	3,010,052
Printing publishing and allied industries:						
Printing and bookbinding	30	281	900,942	28,656	742,341	2,168,454
Publishing (only) periodicals	13	13	13,908	—	59,425	78,104
All other industries ⁵	7	429	1,996,053	45,280	1,329,953	5,120,640
Totals	50	723	2,910,903	73,936	2,131,719	7,367,198
Iron and steel products:						
Castings, iron	6	1,031	3,937,978	288,128	4,098,091	10,118,297
Hardware, tools and cutlery	36	921	3,897,236	120,168	4,311,465	11,328,118
Machine shops	3	51	192,568	13,282	106,263	475,766
Machinery industrial	8	753	3,645,003	71,712	3,772,387	10,227,456
All other industries ⁶	26	3,097	12,995,238	837,578	22,538,506	46,615,772
Totals	79	5,853	24,668,023	1,330,868	34,826,712	78,765,409
Transportation equipment:⁷						
Totals	31	21,509	88,328,422	3,968,331	238,901,405	391,122,140
Non-ferrous metal products:						
Brass and copper products	4	83	270,434	13,299	1,062,825	1,724,958
All other industries ⁸	6	54	171,548	5,377	593,084	930,689
Totals	10	137	441,982	18,676	1,655,909	2,655,647
Electrical apparatus and supplies:⁹						
Totals	6	101	355,318	13,234	563,434	1,615,673
Non-metallic mineral products:						
Concrete products	8	275	1,061,223	165,316	1,849,111	3,739,319
All other industries ¹⁰	6	578	2,282,680	446,639	5,225,224	11,929,197
Totals	14	853	3,343,903	611,955	7,074,335	15,668,516

See footnotes at the end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

WINDSOR METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Chemicals and allied products:						
Medicinal and pharmaceutical preparations	9	694	2,660,665	73,201	4,187,493	15,079,817
Miscellaneous chemical products	5	25	82,111	7,852	188,574	483,737
Soaps, washing compounds and cleaning prepara- tions	5	23	58,575	5,479	129,601	217,661
Toilet preparations	4	17	37,450	1,360	37,430	93,678
All other industries ¹¹	9	673	2,698,618	1,380,106	4,363,609	13,585,262
Totals	32	1,432	5,537,419	1,467,998	8,906,707	29,460,155
Miscellaneous manufacturing industries:						
Models and patterns excluding paper	7	151	608,016	15,563	295,023	1,204,043
Signs, electric, neon and other	7	35	137,372	15,097	76,111	302,425
Sporting goods	7	53	160,338	5,459	165,457	513,633
All other industries ¹²	19	247	768,253	59,838	1,674,306	3,668,755
Totals	40	486	1,673,979	95,957	2,210,897	5,688,856
All other major groups: ¹³						
Totals	4	130	448,308	15,972	1,200,395	2,174,447
Grand totals Metropolitan Windsor	395	35,440	141,559,724	8,682,445	329,719,889	613,420,407

¹ Includes: Breakfast foods, 1; breweries, 3; butter and cheese, 3; dairy products, other, 1; distilled liquors, 1; slaughtering and meat pack-
ing, 2; stock and poultry feeds, prepared, 3.

² Includes: Automobile accessories, fabric, 2; awnings, tents and sails, 4; bags, cotton and jute, 1; miscellaneous cotton goods, 1; miscel-
laneous textiles, 2.

³ Includes: Clothing, children's factory, 1; clothing, men's factory, 3; fur goods, 5; gloves and mittens, fabric, 1; oiled and waterproofed
clothing, 1.

⁴ Includes: Boxes and baskets, wood, 1; miscellaneous wood products, 1; sawmills, 2; woodturning, 1.

⁵ Includes: Engraving, stereotyping and electrotyping, 2; lithographing, 1; printing and publishing, 2; trade composition, 2.

⁶ Includes: Boilers, tanks and plate work, 1; fabricated and structural steel, 2; heating and cooking apparatus, 2; machine tools, 2; machinery,
household, office and store, 2; miscellaneous iron and steel products, 6; primary iron and steel, 1; sheet metal products, 8; wire and wire goods, 2.

⁷ Includes: Boat building, 1; motor vehicles, 2; motor vehicle parts, 28.

⁸ Includes: Aluminum products, 2; jewellery and silverware, 3; white metal alloys, 1.

⁹ Includes: Batteries, 1; machinery, heavy, electrical, 2; miscellaneous electrical apparatus and supplies, 2; refrigerators, vacuum cleaners
and appliances, 1.

¹⁰ Includes: Glass and glass products, 3; miscellaneous non-metallic mineral products, 1; salt, 1; stone products, 1.

¹¹ Includes: Acids, alkalis and salt, 1; adhesives, 1; gases, compressed, 1; paints, varnishes and lacquers, 6.

¹² Includes: Brooms, brushes and mops, 1; buttons, buckles and fasteners, 1; clocks, watches and watch cases, 1; ice artificial, 2; instruments
and related products, 1; pipes, lighters and smoker's supplies, 1; orthopaedic and surgical appliances, 1; plaster products, 6; stamps and stencils,
rubber and metal, 2; statuary, art goods, regalia and novelties, 1; toys and games, 2.

¹³ Includes: Rubber products, 2; paper products — boxes and bags, paper, 1; miscellaneous paper goods, 1.

The Following Municipalities are Included in Greater Windsor

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Windsor (city proper)	336	24,091	96,798,387	5,453,651	186,300,126	369,790,090
Riverside	8	154	503,115	45,168	1,267,620	2,154,918
All other ¹	51	11,195	44,258,222	3,183,626	142,152,143	241,475,399
Totals	395	35,440	141,559,724	8,682,445	329,719,889	613,420,407

¹ Includes: Lasalle; Ojibway; St. Clair Beach; Tecumseh; Sandwich East Township; Sandwich West Township; Sandwich South Township.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

WINNIPEG METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products	62	1,244	3,638,957	360,201	5,192,134	11,447,002
Breweries	6	598	2,482,849	184,155	2,269,158	11,617,492
Butter and cheese	9	788	2,486,215	251,471	9,470,731	13,576,526
Confectionery	12	312	692,714	45,680	1,633,923	3,044,032
Feed mills	4	12	41,483	4,696	207,631	274,276
Feeds, stock and poultry prepared	17	183	571,514	66,393	5,550,335	7,160,438
Flour mills	4	564	1,638,600	177,273	20,791,207	24,975,328
Fruit and vegetable preparations	7	140	305,469	32,647	1,207,190	1,821,764
Miscellaneous food preparations	20	559	1,834,473	307,651	14,408,095	19,810,463
Sausage and sausage casings	8	170	481,854	45,238	2,594,646	3,183,688
Slaughtering and meat packing	11	2,063	11,144,667	591,971	72,294,648	96,019,681
Carbonated beverages	10	261	846,508	110,295	1,574,549	4,477,281
All other industries ¹	12	594	1,722,891	337,674	6,817,917	12,339,679
Totals	182	8,388	27,888,194	2,515,345	144,012,164	209,747,640
Leather products:						
Footwear, leather	6	260	650,316	9,969	1,414,221	2,436,666
Gloves and mittens leather	7	242	473,951	9,206	936,745	1,612,360
Miscellaneous leather goods ²	8	191	442,765	27,056	1,103,070	1,870,637
Totals	21	693	1,567,032	46,231	3,454,036	5,919,663
Textiles:						
Awnings, tents and sails	7	68	140,041	6,452	381,077	580,103
Embroideries, pleating and hemstitching	5	31	57,921	3,082	39,562	146,552
Miscellaneous textiles	13	105	217,207	7,961	634,822	996,062
All other industries ³	9	497	1,301,961	50,717	6,249,582	8,868,202
Totals	34	701	1,717,130	68,212	7,305,043	10,590,919
Clothing and knitting mills:						
Clothing children's factory	8	348	703,610	13,474	1,223,248	2,741,518
Clothing men's factory	50	2,657	5,984,616	89,125	13,391,704	22,686,310
Clothing, women's factory	24	1,521	3,883,420	47,811	7,232,409	12,597,053
Fur goods	47	453	1,282,690	24,895	2,289,760	4,050,191
Hats and caps	14	358	680,457	10,249	835,571	1,889,102
All other industries ⁴	11	302	781,385	23,241	715,251	1,954,768
Totals	154	5,639	13,316,178	208,795	25,687,943	45,918,942
Wood products:						
Boxes and baskets, wood	4	123	302,024	14,962	554,908	1,003,767
Furniture	110	1,753	5,028,722	207,831	10,453,924	18,602,501
Miscellaneous wood products	6	31	63,666	4,813	102,720	223,530
Sash, door and planing mills	19	369	1,123,565	57,471	1,711,656	3,219,539
All other industries ⁵	7	187	517,337	37,948	813,892	1,735,536
Totals	146	2,463	7,035,314	323,025	13,637,100	24,784,873

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

WINNIPEG METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Paper products:						
Boxes and bags paper	10	603	1,943,546	84,998	5,832,725	9,084,247
Miscellaneous paper goods	7	193	478,521	23,096	2,467,403	4,011,601
All other industries ⁶	6	274	882,642	231,218	1,882,091	4,371,667
Totals	23	1,070	3,304,709	339,312	10,182,219	17,467,515
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	8	198	796,680	12,831	200,703	1,257,971
Printing and bookbinding	76	1,235	3,976,648	90,992	3,322,479	10,179,442
Printing and publishing	27	1,617	5,154,451	115,746	4,728,862	15,398,653
Publishing (only) of periodicals	103	173	325,578	—	839,464	1,515,345
All other industries ⁷	4	214	568,689	7,625	366,930	1,140,535
Totals	218	3,437	10,822,046	227,294	9,458,438	29,491,946
Iron and steel products:						
Agricultural implements	11	422	1,288,618	72,044	4,732,010	6,902,884
Machine shops	27	255	859,509	34,758	531,121	1,941,040
Machinery industrial	11	399	1,404,421	41,390	1,596,510	3,825,852
Miscellaneous iron and steel products	10	681	2,470,158	106,870	4,156,202	7,429,050
Sheet metal products	25	1,023	3,332,549	106,334	7,116,746	12,539,771
All other industries ⁸	17	1,570	6,067,577	201,198	9,919,102	24,153,612
Totals	101	4,350	15,422,832	562,594	28,051,691	56,792,209
Transportation equipment:						
Motor vehicle parts	11	314	930,916	35,443	1,735,487	3,682,325
All other industries ⁹	10	6,257	21,825,804	635,173	21,446,472	44,272,071
Totals	21	6,571	22,756,720	670,616	23,181,959	47,954,396
Non-ferrous metal products:						
Brass and copper products	5	148	530,042	47,128	2,430,298	3,521,128
Jewellery and silverware	4	26	77,453	1,808	121,626	319,220
White metal alloys	3	76	219,590	44,145	1,670,244	2,219,794
All other industries ¹⁰	4	4	5,651	1,103	10,137	25,181
Totals	16	254	832,736	94,184	4,232,305	6,085,323
Electrical apparatus and supplies:						
Miscellaneous electrical apparatus and supplies	7	157	440,766	27,166	1,330,136	2,013,655
All other industries ¹¹	12	822	2,612,387	72,230	4,409,205	9,922,410
Totals	19	979	3,053,153	99,396	5,739,341	11,936,065
Non-metallic mineral products and products of petro- leum and coal:						
Clay products from domestic clay	3	98	260,185	92,121	2,770	318,677
Glass and glass products	4	26	69,884	10,640	69,442	202,745
Lime	3	12	37,037	15,201	13,680	357,793
Miscellaneous non-metallic mineral products	3	28	79,200	15,673	89,104	271,125
Stone products	5	47	162,908	8,753	124,711	425,339
All other industries ¹²	15	1,409	5,239,840	3,307,004	18,711,813	37,807,083
Totals	33	1,620	5,849,054	3,449,392	19,011,520	39,382,762

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

WINNIPEG METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number					
Chemicals and allied products:						
Gases compressed	3	78	266,049	22,349	179,046	1,097,661
Medicinal and pharmaceutical preparations	7	112	311,103	11,385	572,863	1,466,347
Miscellaneous chemical products	5	135	382,572	8,514	368,115	534,975
Paints, varnishes and lacquers	5	251	708,784	38,215	3,115,581	5,716,591
Soaps, washing compounds and cleaning prepara- tions	6	34	91,273	10,572	545,121	1,198,086
All other industries ¹³	9	68	204,298	32,785	1,350,518	1,672,162
Totals	35	678	1,964,079	123,820	6,131,244	11,685,822
Miscellaneous manufacturing industries:						
Brooms brushes and mops	6	111	290,669	9,087	536,127	925,913
Orthopaedic and surgical appliances	6	28	56,701	3,467	49,973	145,269
Signs, electric, neon and other	11	191	683,759	49,654	403,112	1,876,770
Stamps and stencils, rubber and metal	5	15	54,682	396	28,053	89,322
Statuary, art goods, regalia and novelties	9	92	185,704	5,754	163,371	509,092
All other industries ¹⁴	18	275	651,758	35,236	2,523,799	3,776,245
Totals	55	712	1,923,273	103,594	3,704,435	7,322,611
All other major groups:						
Totals	3	12	25,268	1,375	45,762	132,100
Grand totals Metropolitan Winnipeg	1,061	37,567	117,477,718	8,833,185	303,835,200	525,212,786

¹ Includes: Animal oils and fats, 2; biscuits, 3; breakfast foods, 3; cheese, processed, 1; macaroni and kindred products, 2; sugarrefining, 1.

² Includes: Leather tanning, 1.

³ Includes: Automobile accessories, fabric, 2; carpets, mats and rugs, 2; cotton and jute bags, 3; narrow fabrics, 1; woollen cloth, 1.

⁴ Includes: Clothing, contractor's, women's, 1; fur dressing and dyeing, 2; miscellaneous clothing, 4; other knitted goods, 4.

⁵ Includes: Excelsior, 1; mortician's supplies, 3; veneers and plywoods, 1; wood preservation, 1; woodenware, 1.

⁶ Includes: Pulp and paper mills, 2; roofing paper, 4.

⁷ Includes: Lithographing, 2; trade composition, 2.

⁸ Includes: Boilers, tanks and plate work, 1; castings, iron, 6; fabricated and structural steel, 2; hardware tools and cutlery, 2; heating and cooking apparatus, 3; machinery, household, office and store, 1; wire and wire goods, 2.

⁹ Includes: Aircraft and parts, 1; boatbuilding 3; motor vehicles, 2; railway rolling stock, 4.

¹⁰ Includes: Aluminum products, 1; miscellaneous non-ferrous metal products, 3.

¹¹ Includes: Batteries, 3; machinery, heavy, electrical, 3; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 1.

¹² Includes: Cement, hydraulic, 1; concrete products, 7; gypsum products, 2; coke and gas products, 1; miscellaneous products of petroleum and coal, 1; petroleum products, 3.

¹³ Includes: Adhesives, 1; coal tar distillation, 2; inks, 2; toilet preparations, 2; vegetable oils, 2.

¹⁴ Includes: Artificial flowers and feathers, 1; clocks, watches and watch cases, 2; hair good, 1; ice, artificial, 1; instrument and related products, 2; lamps, electric and lamp shades, 2; models and patterns, excluding paper, 1; ophthalmic goods, 1; plastic products, 5; sporting goods, 1; toys and games, 1.

The Following Municipalities are Included in Greater Winnipeg

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number					
Winnipeg (city proper)	869	26,629	80,891,909	3,669,114	163,808,668	309,520,043
St. Boniface	96	4,917	17,009,972	1,909,880	104,335,130	139,879,052
St. James	29	1,933	6,060,475	224,681	7,851,907	19,288,843
Kildonan East Municipality	15	306	918,784	142,756	2,609,876	5,199,561
All others ¹	52	3,782	12,596,578	2,886,754	25,229,619	51,325,287
Totals	1,061	37,567	117,477,718	8,833,185	303,835,200	525,212,786

¹ Includes: Brooklands, Transcona, Tuxedo, Assiniboia Municipality, Charleswood Municipality, Fort Garry Municipality, Kildonan North Municipality, Kildonan West Municipality, Old Kildonan Municipality, St. Vital Municipality.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 - Continued**

VANCOUVER METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products	151	1,885	6,070,738	497,034	8,378,223	18,397,942
Breweries	3	405	1,749,067	136,000	2,898,890	13,141,378
Butter and cheese	11	1,389	4,998,435	444,199	13,289,873	20,580,962
Confectionery	25	245	558,230	38,043	1,278,559	2,373,037
Dairy products, other	7	105	355,762	61,649	1,319,442	2,319,391
Feeds, stock and poultry, prepared	10	434	1,428,679	147,678	9,774,354	12,360,351
Fish processing	31	1,761	5,263,226	389,619	26,188,916	44,878,988
Foods, breakfast	3	16	26,802	2,316	100,380	155,170
Fruit and vegetable preparations	25	999	2,415,654	192,112	10,082,319	15,189,126
Miscellaneous food preparations	39	869	2,552,275	166,140	37,960,994	47,369,864
Sausage and sausage casings	9	203	683,187	44,346	1,743,412	3,088,181
Slaughtering and meat packing	8	1,515	5,892,011	328,835	43,594,591	53,523,717
Carbonated beverages	8	235	732,818	99,781	1,235,817	4,264,980
All other industries ¹	13	1,193	4,347,043	662,187	17,605,232	27,422,587
Totals	343	11,254	37,073,927	3,209,939	175,451,002	265,065,674
Leather products:						
Footwear, leather	6	232	648,166	14,404	1,209,849	1,871,760
Gloves and mittens, leather	4	81	194,243	3,186	233,616	509,673
All other industries ²	8	219	533,179	18,096	904,964	1,915,454
Totals	18	532	1,375,588	35,686	2,348,429	4,296,887
Textiles:						
Awnings, tents and sails	10	193	300,482	9,917	1,110,237	1,831,965
Miscellaneous textiles	7	43	122,136	12,970	353,705	597,525
All other industries ³	20	437	1,294,186	84,489	3,558,673	5,745,864
Totals	37	673	1,716,804	107,376	5,022,615	8,175,354
Clothing and knitting mills:						
Clothing, men's factory	18	630	1,457,698	29,830	2,656,293	4,776,305
Clothing, women's factory	19	720	1,762,513	24,476	2,711,724	5,261,425
Fur goods	17	77	168,834	7,580	306,202	602,605
All other industries ⁴	7	300	725,022	15,537	1,099,948	2,435,083
Totals	61	1,727	4,114,067	77,423	6,774,167	13,075,418
Wood products:						
Boxes and baskets, wood	13	76	215,127	19,638	329,244	668,473
Furniture	158	2,038	6,043,610	205,288	10,231,923	19,331,736
Miscellaneous wood products	30	571	2,040,705	139,781	6,796,773	10,318,564
Mortician's goods	4	77	208,206	6,053	383,639	679,055
Sash, door and planing mills	63	1,184	4,312,360	199,855	9,286,258	16,286,384
Sawmills	101	9,604	37,405,608	1,413,689	81,052,141	141,330,376
Veneers and plywoods	11	4,079	15,072,810	559,796	29,074,335	56,246,661
Woodenware	4	62	157,340	5,683	248,839	488,020
All other industries ⁵	6	113	418,338	20,962	993,451	1,672,929
Totals	390	17,804	65,874,104	2,570,745	138,396,603	247,022,196
Paper products:						
Boxes and bags, paper	16	1,043	3,498,553	140,718	12,177,485	18,707,266
Miscellaneous paper goods	11	414	1,382,027	37,039	5,038,242	6,505,784
All other industries ⁶	4	1,041	5,078,508	447,900	6,738,759	13,978,302
Totals	31	2,498	9,959,088	625,657	23,954,486	39,191,352

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Continued**

VANCOUVER METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	10	137	615,581	18,071	178,000	1,141,075
Lithographing	10	265	1,068,853	24,533	1,253,900	2,997,318
Printing and bookbinding	109	1,012	3,537,298	99,667	2,567,351	7,926,842
Printing and publishing	21	2,059	8,899,794	134,819	6,078,902	23,111,267
Publishing (only) of periodicals	118	296	626,442	—	1,623,124	3,687,775
Trade composition	3	27	67,090	1,320	2,770	99,904
Totals	271	3,796	14,815,058	278,410	11,704,047	38,964,181
Iron and steel products:						
Boilers, tanks and plate works	16	680	2,689,967	118,524	3,444,986	7,611,497
Castings, iron	15	748	3,115,145	169,170	6,093,582	10,208,626
Hardware, tools and cutlery	19	554	2,142,393	102,325	3,392,340	8,596,086
Heating and cooking apparatus	12	351	1,181,553	48,404	2,078,062	3,598,597
Machine shops	52	693	2,361,297	87,230	1,680,803	5,299,721
Machinery, industrial	39	2,134	8,176,008	258,974	8,373,300	24,407,551
Miscellaneous iron and steel products	30	445	1,743,870	118,487	3,041,669	6,492,562
Primary iron and steel	6	450	1,947,327	387,542	2,411,488	8,114,937
Sheet metal products	31	1,007	4,131,341	207,262	13,195,071	21,333,660
Wire and wire goods	13	408	1,505,487	65,649	4,384,788	7,484,541
All other industries ⁷	8	1,842	8,361,076	247,152	15,617,182	28,960,994
Totals	241	9,252	37,355,464	1,810,719	63,713,271	132,108,772
Transportation equipment:						
Boatbuilding	40	254	826,434	28,094	812,894	1,839,008
Motor vehicle parts	17	322	1,293,136	38,333	2,024,324	4,270,488
Shipbuilding	15	2,616	11,429,140	307,567	3,119,656	22,714,906
All other industries ⁸	3	334	1,356,627	29,643	2,003,290	5,037,014
Totals	75	3,526	14,905,337	403,637	7,960,164	33,861,416
Non-ferrous metal products:						
Aluminum products	7	74	307,015	20,469	257,084	897,599
Brass and copper products	11	167	692,578	52,220	1,520,519	2,493,590
Jewellery and silverware	13	109	307,846	3,613	331,918	744,563
All other industries ⁹	5	99	394,608	37,598	1,411,726	1,958,621
Totals	36	449	1,702,047	113,900	3,521,247	6,094,373
Electrical apparatus and supplies:						
Batteries	5	65	196,510	24,561	518,087	844,611
Miscellaneous electrical apparatus and supplies	11	285	1,090,532	50,863	5,918,518	8,998,528
Telecommunication equipment	8	122	377,378	19,269	544,368	1,291,288
All other industries ¹⁰	6	319	1,405,793	23,459	2,508,575	4,809,112
Totals	30	791	3,070,213	118,152	9,489,548	15,943,539
Non-metallic mineral products:						
Clay products from imported clay	3	28	50,493	7,572	18,821	100,288
Concrete products	21	478	1,946,121	253,362	4,247,334	8,158,062
Glass and glass products	8	119	324,600	6,915	457,368	673,485
Stone products	6	98	377,491	73,125	429,895	1,302,541
All other industries ¹¹	11	247	868,766	231,830	1,820,768	4,256,684
Totals	49	970	3,567,471	572,804	6,974,186	14,491,060

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1956 — Concluded**

VANCOUVER METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Chemicals and allied products:						
Gases, compressed	4	98	357,930	49,973	305,057	1,794,380
Medicinal and pharmaceutical preparations	8	36	116,727	3,903	235,813	451,005
Miscellaneous chemical products	19	148	469,929	17,715	430,739	1,037,174
Paints, varnishes and lacquers	12	281	1,019,323	57,471	2,820,506	5,453,101
Primary plastics	3	103	377,937	40,354	3,608,695	5,641,704
Soaps, washing compounds and cleaning preparations	13	88	210,942	14,743	431,039	1,564,558
Toilet preparations	3	4	3,310	640	4,890	14,460
All other industries ¹²	14	134	433,807	57,648	3,084,783	3,928,108
Totals	76	892	2,989,905	242,447	10,921,522	19,884,490
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	6	72	220,582	4,061	283,125	628,404
Ice, artificial	5	30	71,085	37,232	20,190	235,580
Lamps, electric and lamp shades	5	59	157,693	9,290	306,392	544,739
Models and patterns (excluding paper)	5	30	145,167	2,640	27,787	217,615
Orthopaedic and surgical appliances	6	15	46,145	2,282	32,278	119,828
Plastic products	9	63	153,520	11,301	340,441	614,614
Instruments and related products	3	12	40,823	2,866	4,698	62,829
Signs, electric, neon and other	31	503	2,000,580	54,327	1,610,316	4,522,904
Sporting goods	9	74	171,876	10,067	198,524	421,580
Stamps and stencils, rubber and metal	7	62	174,168	6,282	77,638	382,867
Statuary, art goods, regalia and novelties	6	14	22,855	2,551	12,391	44,388
Umbrellas	3	18	43,821	2,617	94,855	198,450
All other industries ¹³	7	29	83,823	4,362	127,463	353,586
Totals	102	981	3,332,138	149,878	3,136,098	8,347,384
All other major groups: ¹⁴						
Totals	8	1,108	5,116,011	1,559,603	40,593,687	72,062,234
Grand totals, Metropolitan Vancouver	1,768	56,253	206,967,222	11,876,376	509,961,072	918,584,332

¹ Includes: Animal oils and fats, 2; biscuits, 2; distilled liquor, 3; flour mills, 1; macaroni and kindred products, 3; sugar refining, 1; wines, 1.

² Includes: Leather tanning, 2; miscellaneous leather goods, 6.

³ Includes: Automobile accessories, fabric, 1; bags, cotton and jute, 2; cordage, rope and twine, 3; cotton yarn and cloth, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, etc., 4; linoleum and coated fabrics, 1; miscellaneous cotton goods, 2; woollen cloth, 3; miscellaneous woollen goods, 2.

⁴ Includes: Fur dressing and dyeing, 1; hats and caps, 1; miscellaneous clothing, 2; knitting mills, 1; other knitted goods, 2.

⁵ Includes: Beekeepers and poultrymen's supplies, 1; cooperage, 2; flooring, hardwood, 1; woodturning, 2.

⁶ Includes: Pulp and paper mills, 2; roofing paper, 2.

⁷ Includes: Agricultural implements, 2; fabricated and structural steel, 4; machinery, household, office and store, 2.

⁸ Includes: Motor vehicles, 2; railway rolling stock, 1.

⁹ Includes: Miscellaneous non-ferrous metal products, 1; white metal alloys, 4.

¹⁰ Includes: Machinery, heavy, electrical, 3; refrigerators, vacuum cleaners and appliances, 3.

¹¹ Includes: Asbestos products, 2; clay products from domestic clay, 4; gypsum products, 1; lime, 1; miscellaneous non-metallic mineral products, 3.

¹² Includes: Acids, alkalies and salts, 1; adhesives, 3; coal tar distillation, 1; fertilizers, 3; inks, 3; polishes and dressings, 2; vegetable oils, 1.

¹³ Includes: Candles, 1; fountain pens and pencils, 1; hair goods, 2; musical instruments, 1; toys and games, 1; typewriter supplies, 1.

¹⁴ Includes: Tobacco, cigars and cigarettes, 1; rubber goods, 4; coke and gas products, 1; petroleum products, 2.

The Following Municipalities are Included in Greater Vancouver

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Vancouver (city proper)	1,299	36,052	131,540,861	6,326,318	299,290,344	534,658,163
New Westminster	111	6,286	23,194,681	1,605,502	62,687,765	110,956,033
North Vancouver	73	2,981	12,190,246	571,859	14,229,693	36,624,624
Port Coquitlam	8	83	307,237	34,682	344,045	670,834
Port Moody	8	762	2,679,076	91,960	8,375,205	11,604,313
Burnaby District Municipality	100	4,222	16,973,469	2,160,563	66,988,799	124,750,563
Richmond District Municipality	68	3,103	10,321,574	799,709	37,104,950	61,291,708
Surrey District Municipality	49	715	2,026,800	133,600	6,846,642	10,444,303
All other ¹	52	2,039	7,733,278	152,183	14,093,629	27,583,791
Totals	1,768	56,253	206,967,222	11,876,376	509,961,072	918,584,332

¹ Includes: Coquitlam District Municipality; Delta District Municipality; Fraser Mills District Municipality; North Vancouver District Municipality; University Endowment Area; West Vancouver District Municipality; Unorganized Indian Reserves.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1956

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 37,428 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of two of the larger groups. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by manufacturer, would have been included in values of commodities appearing on the list. However, the products not specified total only about 2.1 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 5.1 per cent and in transportation equipment 7.2 per cent. With the exception of these groups, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

It should be noted that a shipments' concept instead of the value of production concept was adopted in 1952. Items still collected on a production basis are marked with an asterisk.

Alphabetical List of Commodities, 1956

Note: In 1952 and subsequent years the basis of collection is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked * are still on a production basis.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Abrasive cloth	—	—	1
Abrasive paper	—	—	1
Abrasive wheels and segments	—	—	7,206,636
Abrasives, not specified (see also "Alumina, crude" and "Silicon carbide")	—	—	1,527,311
Absorbent cotton	—	—	1
Accelerators, synthetic	—	—	1
Acetaldehyde	—	—	1
Acetate, normal propyl	—	—	1
Acetic anhydride	—	—	1
Acetone	lb.	20,290,861	1,358,127
Acetylene in cylinders or pipe line	cu. ft.	304,252,643	7,746,166
Acid, acetic, glacial, 99 1/2 %	—	—	1
Acid, adipic	—	—	1
Acid, citric	—	—	1
Acid, fatty, coconut, tallow, etc.	lb.	12,475,316	1,637,110
Acid, hydrochloric (Muriatic)	—	41,726,921	1,355,851
Acid, hydrofluosilicic	—	—	1
Acid, monochloro acetic	—	—	1
Acid, nitric	—	—	1
Acid, phosphoric	—	—	1
Acid, stearic	—	—	1
Acid, sulphuric	—	—	1
Quantity made	ton	1,053,893	—
Quantity shipped	"	907,314	11,725,431
Acids, not specified	—	—	529,458
Adhesives, n.e.s.	—	—	3,535,366
Advertising matter, printed, n.e.s.	—	—	54,169,803
Advertising novelties and displays (see "Displays" and "Novelties")	—	—	1
Agitators, mining and metallurgical	—	—	1
Agricultural implements and parts, n.e.s.	—	—	20,207,541
Air conditioning equipment n.e.s.	—	—	5,376,687
Aircraft and parts:	—	—	—
Aircraft completed during the year*	—	—	94,625,746
Aircraft being built but not completed	—	—	54,905,103
Aircraft repairs (Value of work done)	—	—	43,831,399
Aircraft parts manufactured*	—	—	85,526,471
Value of work done on developing aircraft and engines, (including other products n.e.s.)	—	—	134,876,480
Value of work done in 1955 on aircraft completed in 1956	—	—	47,925,788
Albumen, powdered (Included in "Egg substitute")	—	—	1
Alcohol, butyl	—	—	1
Alcohol, industrial, (produced)	pf. gal.	6,110,419	1,999,065
Alcohol, industrial, (sold):	—	—	—
Denatured:	—	—	—
Antifreeze	st. gal.	96,760	124,170
Perfume manufacturing	" "	324,369	329,539
Rubbing alcohol	" "	161,432	142,495
Solvents and cleaning fluids	" "	1,197,744	1,005,014
Other, including that for hospitals, research, etc.	" "	578,781	505,471
Not denatured	pf. gal.	3,557,127	1,672,167
Alcohol, isopropyl	—	—	1
Alcohol, normal propyl	—	—	1
Alkylation feed stocks*	—	—	1
Alloys, cutting	—	—	1
Alloy, die casting	—	—	1
Almond paste	lb.	12,267,906	2,036,482
Alumina, fused (crude)	—	—	1
Alumina, fused (abrasive grains)	ton	181,130	17,636,382
Alumina, hydrate	—	—	1
Aluminum bars, rods and ingots	—	—	1
Aluminum extruded shapes	lb.	23,220,382	12,616,990
Aluminum fluoride	—	—	1
Aluminum sulphate	—	—	1
Aluminum products, n.e.s.	—	—	9,406,914
Ammonia, anhydrous	—	—	1
Ammonia, aqua	ton	1,151	82,442
Ammonia, powder	"	761	134,454
Ammonium chloride	—	—	1
Ammonium nitrate (regular)	—	—	1
Ammonium nitrate (fertilizer grade)	2	—	2
Ammonium phosphate	2	—	2
Ammonium sulphate, other than milled, screened and bagged	2	—	2
Ammonium sulphate, milled, screened and bagged	ton	265	13,892
Ammunition (see "Munitions and war supplies")	—	—	—
Antibiotics, including penicillin and streptomycin, etc.	—	—	8,729,724
Anti-freeze preparations, glycol type	—	—	6,964,622
Anti-freeze, alcohol type (see "Alcohol, industrial, denatured, sold")	—	—	—
Apple butter	—	—	1
Apple juice (included in "Fruit Juices")	—	—	—
Apple juice concentrate	—	—	1
Apple pomace, chop and waste	lb.	1,219,514	21,766
Apples, evaporated and dehydrated	"	1,262,557	340,182
Aprons, plastic, rubber, etc.	—	—	256,629
Aprons, fabric:	—	—	—
Children's	—	—	—
Men's and youths'	doz.	14,742	49,143
Women's and misses'	"	13,956	147,618
Not specified	"	176,414	1,027,840
	—	—	310,036

¹ Indicates that the commodity was reported by one or two concerns.

² Included in "Fertilizers, other than mixed".

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Archery tackle	—	—	238,891
Armlets and sleeve supporters	doz. pr.	6,489	18,255
Artists' brushes (included in "Brushes, other, not specified")	—	—	—
Artware, pottery (see also "Pottery")	—	—	346,897
Art needlework	—	—	83,225
Art work (printing)	—	—	3,417,036
Asbestos products, including clutch facings	—	—	3,581,664
Asphalt*	Imp. gal.	295,756,322	35,808,249
Asphalt emulsion	—	—	3,660,081
Asphalt products, n.e.s.	—	17,989,606	2,400,647
Atomizers	—	—	—
Automobiles, commercial:			
5,000 lbs. or less:			
For sale in Canada	No.	39,179	57,234,671
For export	—	3,596	3,647,065
5,001 to 10,000 lbs.:			
For sale in Canada	—	13,000	21,280,662
For export	—	356	398,689
10,001 to 14,000 lbs.:			
For sale in Canada	—	4,060	8,240,684
For export	—	1,001	992,006
14,001 to 16,000 lbs.:			
For sale in Canada	—	5,013	11,286,819
For export	—	3,058	1,819,565
16,001 to 19,500 lbs.:			
For sale in Canada	—	10,985	29,082,661
For export	—	399	565,412
19,501 to 26,000 lbs.:			
For sale in Canada	—	10,685	38,956,469
For export	—	—	—
Over 26,000 lbs.:			
For sale in Canada	No.	1,825	10,775,595
Automobiles, passenger:			
Convertible cars:			
Soft top:			
For sale in Canada	—	2,754	5,951,448
For export	—	32	54,910
Hard top:			
For sale in Canada	—	56,790	115,576,422
For export	—	1,018	1,483,834
Permanent closed cars:			
2 Door sedan or coupe:			
For sale in Canada	—	72,094	116,601,175
For export	—	267	426,087
4 Door sedan:			
For sale in Canada	—	198,610	348,211,656
For export	—	12,537	16,075,772
Station wagon type:			
For sale in Canada	—	19,560	37,826,524
For export	—	725	1,078,139
Chassis (sold without bodies):			
For sale in Canada	—	1	500
For export	—	9,924	3,237,175
Buses or coaches:			
Complete units:			
For sale in Canada	—	273	5,818,867
Chassis only	—	123	136,898
Automobile, bus and truck bodies and cabs	—	—	22,091,980
Automobile bumpers and bumperettes	—	—	8,612,286
Automobile cloth	lb.	937,899	1,781,490
Automobile parts and accessories, not specified	—	—	196,585,992
Awnings, aluminum	—	—	1,821,574
Awnings, fibreglass	—	—	47,909
Awnings and verandah curtains, fabric	—	—	2,274,281
Axes and hatchets	No.	512,058	1,012,722
Axes and shafts, automobile	—	123,648	5,698,204
Babies' high chair sets, commodes and other baby supplies	—	—	597,393
Babbitt metal	lb.	2,963,491	1,194,011
Badges (included under "Regalia")	—	—	—
Bags:			
Cotton	—	—	10,297,746
Jute	No.	81,791,888	14,207,677
Garment, fabric	doz.	30,160	326,892
Garment, plastic	—	—	—
Hand, leather	No.	863,399	4,047,830
Hand, other	—	—	3,779,981
Hand, parts	—	—	31,639
Shopping, sports, etc., leather	No.	78,637	433,624
Shopping, sports, etc., fabric	—	—	656,562
Sleeping	No.	313,227	1,769,353
Club bags, suit cases and other hand luggage	—	—	8,338,593
School bags	No.	396,328	579,984
Fabric bags, not specified	—	—	791,745
Fabric bags, repaired	—	—	2,022,028
Bags, paper:			
Glassine, waxed paper, grease proof paper, etc.	lb.	8,800,482	4,574,139
Millinery, garment and laundry	—	—	2,194,718
Self-opening	lb.	63,833,743	9,704,832
Wedge, including notion and novelty bags	—	11,049,779	2,689,341
Paper, not specified, including multiwall	—	—	33,074,929
Bags, plastic (see also "Bags, garment")	—	—	10,159,845

¹Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Bags, not specified	—	—	362,547
Bags, rubber, air and steam	No.	14,619	303,375
Bakers' equipment, not specified	—	—	43,256
Bale ties - Quantity made	ton	4,485	—
— Quantity shipped	—	4,435	1,047,953
Balls, grinding	—	—	3,625,027
Ball and rod mills, grinding	—	—	2,379,322
Balloons	gr.	212,953	439,843
Balls, baseball	doz.	19,573	252,467
Balls, golf, complete	—	—	1
Balls, softball	doz.	26,513	301,473
Balls, other, including bladders for footballs	—	—	793,552
Barley, pot and pearl	—	—	249,930
Barn and stable equipment, not elsewhere specified	—	—	1,620,042
Barrels, wooden:			
Apple, etc.	No.	405,647	865,129
Fish, slack	"	13,104	25,420
Fish, tight	"	55,783	174,874
Flour, sugar, etc.	"	32,594	61,941
Oil, vinegar, water, etc.	—	—	1
Whiskey, beer, etc.	—	—	1
Barrels, steel	No.	1,494,805	5,162,820
Barrels, repaired	—	—	631,690
Barrels, n.e.s.	—	—	117,388
Bars and ingots, aluminum (see "Aluminum bars, rods and ingots")	—	—	1
Bars and rods, brass and bronze	—	—	1
Bars, iron and steel:			
Hot rolled, of all grades:			
Quantity made	ton	635,844	—
Quantity shipped	"	487,993	74,906,798
Cold rolled and drawn:			
Quantity made	"	46,661	—
Quantity shipped	"	46,162	14,513,166
Concrete reinforcing	—	—	41,537,497
Basket bottoms	No.	9,599,268	273,540
Baskets and crates, fruit and vegetable	—	—	3,431,314
Baskets, other, not specified	—	—	291,385
Bathing caps	doz.	35,406	191,195
Bathing shoes	—	—	1
Bathing suits	doz.	232,045	6,472,185
Bath mats and sets	—	—	1,066,195
Bathrobes, kimonos, lounging jackets, etc:			
Cotton:			
Women's and misses'	doz.	38,921	1,509,116
Children's	"	17,892	311,408
Rayon and silk:			
Women's and misses'	"	30,878	2,084,400
Men's and youths'	"	10,720	917,509
Children's	"	655	18,746
Wool and flannel:			
Women's and misses'	"	21,728	752,156
Men's and youths'	"	5,957	712,963
Children's	"	1,418	31,350
Not specified	—	—	—
Women's and misses'	"	11,594	810,745
Men's and youths'	"	3,578	195,042
Children's	"	1,540	16,455
Other	"	—	340,474
Bats, baseball	No.	127,002	83,841
Batteries:			
Storage, for automobiles and other internal combustion engines	"	2,224,527	22,161,548
Storage, for railway service (cells)	"	24,798	1,024,215
Storage, for farm lighting plants (cells)	"	23,781	234,233
Storage, for direct motive power (industrial trucks, mine locomotives, etc.)	"	3,615	2,086,854
Storage, for all other purposes	—	—	1,772,344
Dry cell, 6 in. batteries	No. of cells	1,767,879	973,877
Dry cell, radio, for portable sets	"	17,372,462	973,358
Dry cell, radio, non-portable sets	"	22,829,947	2,174,457
Dry cell, flashlight	"	29,273,855	2,774,050
Dry cell, hearing aid "A"	—	—	—
Dry cell, hearing aid "B"	—	—	888,446
Dry cell, all other	—	—	—
Parts and supplies for batteries	—	—	2,789,143
Battery containers, covers, etc.	—	—	3,221,530
Batts, wadding, and rolls including auto batts (see also "Flocks")	—	—	5,165,843
Bearings, ball, roller, pillow blocks, engines and other bearings, not specified	—	—	10,101,525
Beauty parlour equipment (see also "Hair dressing accessories")	—	—	686,999
Beds and couches:			
Beds, metal	No.	109,467	1,897,615
Studio couches, metal and other	"	51,763	3,654,905
Couches, other than studio, metal	"	20,547	271,152
Cots and bunks, metal	"	129,768	1,082,177
Cribs, metal	"	4,570	85,107
Beds, camp	"	3,888	24,554
Bedsprings and bed sets:			
Cotton	"	542,134	3,018,303
Silk, rayon and rayon mixtures	"	30,720	326,772
Not specified	"	2,291	28,398
Beef extract	—	—	1
Beekeepers' supplies, n.e.s.	—	—	187,499

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Beer, ale, stout and porter (sales):			
Bottled and canned	gal.	166,379,043	283,783,113
Draught	"	48,599,788	55,690,746
Beer, spruce	case	166,394	168,066
Beet pulp, wet and dried	ton	115,331	1,757,757
Belting, leather (transmission)	lb.	209,149	948,920
Belting, rubber	"	—	11,946,233
Belts, automobile, fan	No.	1,745,389	1,221,474
Belts, body, not specified	"	—	4,740,276
Belts, garter	doz.	115,613	944,322
Belts, rubber, other	lb.	831,848	946,627
Belts and aprons, sanitary	"	—	46,947
Benzol	"	—	5,557,876
Bicycles	No.	100,400	3,095,846
Bicycle parts	"	—	451,145
Billiard and bowling supplies n.e.s.	"	—	1,978,941
Binders, loose-leaf and other	No.	7,611,947	4,392,304
Binders, grain	"	312	142,732
Binding and stitching (trade work)	"	—	3,323,985
Bindings (see also "Tapes"):			
Cotton	"	—	1,135,257
Rayon and rayon mixtures	"	—	737,622
Other	"	—	409,416
Bins and hoppers	"	—	2,014,968
Biologicals and vaccines	"	—	5,296,054
Biscuits, plain and fancy	lb.	206,375,337	60,248,076
Biscuits, soda	"	45,619,047	11,372,618
Black, acetylene	"	—	1
Black (carbon) bin	"	—	151,417
Blackboards, asbestos and other	"	—	—
Blankets:			
Cotton and cotton mixtures	pr.	1,494,276	—
All wool	lb.	4,442,152	5,493,139
Other including crib	pr.	250,670	—
Slumber throws	lb.	1,796,872	3,513,495
Blankets, electric	No.	70,469	6,548,019
Blankets and covers, horse	"	—	520,750
Blankets, rubber, printers'	No.	9,225	45,284
Blanks for window blind rollers (sawn) ..	"	—	334,939
Bleaching compound	"	—	777,767
Blinds, venetian (See "Shades and blinds")	"	—	302,118
Blood, animal, dried, edible	lb.	764,436	27,855
Blood, animal, dried, inedible	"	5,719,108	348,140
Blooms, billets, slabs and sheet bars, including blanks:			
Quantity made	ton	3,603,892	—
Quantity shipped	"	236,969	20,573,136
Blouses, women's, misses', and children's:			
Cotton, women's and misses'	doz.	406,728	7,925,725
Cotton, children's	"	122,775	1,765,231
Nylon, children's	"	13,441	292,793
Nylon, women's and misses'	"	47,537	1,461,093
Rayon, and rayon mixtures, women's and misses' ..	"	133,512	3,287,746
Rayon and rayon mixtures, children's	"	9,654	159,382
Woollen, women's and misses'	"	64,614	2,305,878
Woollen, children's	"	6,118	144,836
Other, women's and misses'	"	101,771	3,146,153
Other, children's	"	8,542	135,296
Blow torches	"	—	1
Blowers for domestic furnaces	No.	118,846	1,907,104
Blue, laundry	"	—	1
Boats, life and whale	No.	109	143,568
Boats, motor	"	610	2,016,154
Boats, outboard motor	"	11,165	3,733,524
Boats, sail	"	143	96,459
Boats, other, including row boats, skiffs, etc. (see also "Canoes") ..	"	—	2,821,730
Boiler compound	"	—	—
Boilers, heating, all types	No.	21,207	9,774,043
Boilers, power	"	—	17,105,458
Boilers, range and wash	"	—	3,156,151
Boilers, not specified	"	—	114,058
Boilers and engine parts and accessories	"	—	2,373,840
Bologna and blood pudding	lb.	11,095,035	2,591,730
Bolts, nuts, and rivets	"	—	23,054,129
Bone and meat, meal and flour	ton	10,451	852,602
Bone, raw, ground, etc.	"	17,211	704,093
Book cloth, pyroxylin coated (included in "Fabrics, coated and impregnated")	"	—	—
Books, printed and bound, chiefly for advertising	copy	19,466,603	5,277,934
Books, printed and bound, not chiefly for advertising	"	36,404,359	15,346,863
Books and pads, drawing, exercise, scribblers, etc. n.e.s.	"	—	4,218,776
Books, ledger and account	No.	1,368,943	1,623,955
Books, counter, check, sales, etc.	"	23,569,498	2,530,105
Books, blank, bound, not specified	"	4,401,576	1,311,570
Boron carbide	"	—	1
Bottles, paper, milk	"	—	1
Bottles, plastic	"	—	1
Bottles, thermos	"	—	1
Bowling supplies (included in "Billiard and bowling supplies")	"	—	—
Box toes	pr.	14,208,323	478,032

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Boxes, paper:			
Corrugated, including wrappers, etc., (see also "Wrappers")	M. sq. ft.	5,779,491	93,670,318
Fibre board		80,402	1,540,182
Folding	-	-	65,270,361
Set-up	-	-	14,662,508
Not specified	-	-	59,342
Boxes, plastic	-	-	670,283
Boxes, wooden:			
Apple and other fruit	No.	222,542	141,052
Berry	"	20,515,514	331,264
Butter	"	1,774,217	1,223,176
Cheese	"	466,809	289,244
Clear	-	-	1
Fish	No.	1,497,806	1,159,249
Meat	"	782,824	670,497
Veneer and plywood	-	-	3,464,806
Not specified	-	-	6,499,131
Boxes, other, not specified	-	-	1,107,085
Box panels, plywood	set	121,170	898,388
Braids and glimps	-	-	1,549,756
Brake fluid	gal.	352,270	1,155,013
Brake beams (railway car) and parts	-	-	1,254,663
Brakes, auto, and parts	-	-	5,045,924
Brakes, brake shoes and parts	-	-	4,340,259
Brass	ton	292,043	12,581,457
Brass and bronze ingots	-	17,947	12,795,841
Brass and bronze products, not specified	-	-	2,738,503
Breakfast foods (see "Cereal products")	ton	803,473	186,060,505
Brewery and distillery equipment, n.e.s.	-	-	149,133
Bricks, cement	M	135,600	5,252,971
Bricks, domestic clay	"	510,101	24,035,165
Bricks, sand-lime	"	43,217	1,211,634
Briquettes, coal and coke	-	-	940,579
Bronze ingots (see "Brass and Bronze ingots")	-	-	-
Brooms:			
Corn	doz.	245,293	3,006,347
Fibre	"	50,977	961,622
Hair	"	6,332	210,943
Plastic	"	2,216	29,682
Tay	"	16,136	63,020
Other	"	6,359	186,320
Brushes:			
Clothes	"	23,457	185,152
Cosmetic	"	45,296	397,328
Generator and motor	-	-	1
Hair	doz.	122,529	834,913
Nail	"	64,902	98,227
Paint	"	518,140	4,138,274
Shaving	"	14,594	148,289
Shoe	"	53,514	175,536
Tooth	"	420,741	583,879
For household purposes	"	741,378	1,587,373
For industrial use	"	281,201	1,652,210
Other, including artists'	"	-	683,416
Brush blocks, backs, etc.	-	-	125,904
Buckles, clips, etc.	-	-	534,296
Buffing composition	-	-	527,334
Buffs, polishing, cotton, etc.	-	-	1,130,045
Building blocks, hollow cement, cinder, sand-lime, etc.	No.	158,030,708	34,795,484
Building boards:			
Asbestos cement boards and sheets	-	-	1
Gypsum wallboard	sq. ft.	301,731,334	11,779,191
Paperboard	"	2,040,838	235,867
Wood fibre:			
Hard insulating	ton	150,405	15,470,686
Other soft boards	"	10,196	1,127,206
Hardboard	"	74,945	8,092,963
Particle board	M. sq. ft.	10,256	1,187,996
Other, including bonded boards, panelling, etc.	-	-	2,059,216
Buildings (houses, etc.) prefabricated	-	-	13,042,338
Bungs, barrel	-	-	53,330
Buns	-	-	31,281,564
Burlap products	-	-	43,609
Burners, gas, conversion, etc.	-	-	593,030
Butane (included in "Gases, liquefied petroleum")	-	-	-
Butter, why, factory made	lb.	2,193,976	994,943
Butter, other, factory made	-	304,834,727	176,946,111
Buttons:			
Celluloid	gr.	48,225	207,750
Covered	"	30,350	143,470
Plastic	"	929,141	1,165,543
Metal	"	401,075	435,382
Moulded	"	4,109,396	1,584,324
Pearl	"	47,950	90,480
Not specified	-	-	425,263
Button covering, hemstitching, etc.	-	-	1,512,350
Butyl acetate	-	-	1
Butyraldehyde	-	-	1
Cabinets, ice cream	No.	3,160	1,296,329

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cabinets, phonograph, radio and television	No.	667,259	13,196,899
Cabinets, silverware	"	"	1
Cabinets, other, including shower	"	"	467,962
Caffeine	"	"	1
Calcium acid phosphate	"	"	1
Calcium carbide	"	"	1
Calcium chloride	"	"	1
Calcium cyanide, n.e.s. (Fertilizer grade included in "Fertilizers, other than mixed")	"	"	1
Calcium naphthenate	"	"	1
Calendar pads and cards	"	"	651,476
Calks, horseshoe	"	"	21,329
Camel back	"	"	5,652,124
Cameras	lb.	14,580,025	1
Candles and cerges:			
Household	"	"	575,762
Church, chapel and synagogue	"	"	2,134,400
Wax lights in tumblers	"	"	1
Candy sticks	"	"	1
Canoes (see also "Boats")	"	"	391,279
Cans, metal, cream and milk	"	"	750,078
Cans, metal, for food	"	"	62,289,943
Cans, metal, non food	"	"	28,285,575
Cans, garbage and ash	"	"	1,516,457
Cans, paper or fibre, with paper or metal ends	No.	82,673,660	2,269,060
Cans, all paper or fibre	"	"	1
Canvas and canvas goods, n.e.s.	"	"	78,981
Capacitors, (Static condensers for power factor correction)	"	"	6,745,237
Caps:			
Cloth	doz.	280,336	2,961,709
Cotton	"	139,707	549,855
Fur (see also "Hats and caps, fur")	"	4,190	84,480
Leather	"	7,517	124,879
Sport	"	140,111	1,026,947
Uniform	"	36,473	624,085
Not specified	"	"	73,216
Caps, bottle:			
Metal, all kinds	"	"	13,130,169
Paper, milk bottle	M.	1,378,562	1,402,665
Paper, other, not specified	"	64,000	110,000
Plastic	"	"	973,142
Not specified	"	"	215,326
Caramel butter	"	"	1
Carbonated beverages	gal.	123,205,120	107,729,748
Carbon dioxide (cylinders and solid)	"	"	1
Carbon bisulphide	"	"	1
Carbon tetrachloride	"	"	1
Carbon products, not specified	"	"	158,673
Carbons, illuminating	"	"	1
Carboxel (see "Sodium carboxymethyl cellulose")	"	"	1
Cards, greeting	M.	481,996	13,211,971
Cards, playing	"	"	1
Cards, visiting	"	"	145,771
Cards, sample, swatch, display, etc.	"	"	1,403,790
Cards, tabulating and time clock	"	"	3,567,081
Carpets, mats and rugs:			
Carpets in rolls, including stair:			
Axminster	sq. yd.	572,847	2,514,108
Wilton	"	674,269	4,968,928
Tapestry and velvet	"	561,176	3,812,859
Tufted	"	668,644	2,382,683
Other, not specified	"	19,286	38,302
Squares made on Axminster or other looms:			
Axminster	"	407,309	2,280,782
Other	"	23,014	119,041
Cocoa mats and matting	"	"	1,071,166
Rugs, wool, cotton, hooked, etc.	"	"	1,070,609
Rugs made from old carpets	"	"	1
Carpet sweepers	"	"	1
Carriages, sulkies, etc., baby	No.	198,464	3,348,589
Carriages, doll	"	231,981	1,028,887
Carriages and wagons (see "Vehicles and Wagons")	"	"	148,787
Carriage and wagon boxes	"	815	36,740
Carriage and wagon materials	"	"	1
Carriers, litter	"	"	1
Cars, steam, railway, new*	No.	9,221	70,980,820
Cars, dump, hand, push and other n.s.	"	1,857	1,516,102
Carts, concrete	"	"	1
Carvings of wood	"	"	1
Casein, dried	lb.	7,763,466	2,096,178
Casein, green	"	4,154,150	547,130
Cases, clock	"	"	115,477
Cases, jewellery	"	"	1,584,791
Cases, key, card, cigarette, utility, etc.	No.	1,196,779	975,984
Cases, portfolios, brief, etc.	"	459,789	2,070,566
Cases, toiletware	"	"	1
Cases, other, not specified	"	"	324,898
Caskets and coffins (completely assembled):			
Wooden, hardwood	No.	42,663	3,873,281
" imitation hardwood	"	7,156	412,790
" cloth covered	"	64,735	3,081,835
" not specified	"	495	10,010

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Caskets and coffins (completely assembled) - Concluded:			
Metal	No.	2,001	355,662
Shells and rough boxes	"	—	1,010,948
Casks, fish	No.	42,264	140,076
Casks, other	"	2,040	14,892
Castings:			
Aluminum	lb.	11,376,696	8,298,637
Brass and bronze	"	35,042,378	19,816,430
Copper	"	599,601	466,854
Die	"	19,637,983	11,041,666
Grey iron	—	—	49,435,436
Magnesium	lb.	722,443	2,226,701
Malleable iron	"	30,603	11,202,859
Iron, not specified	—	—	22,461
Lead	lb.	707,005	202,553
Steel:			
Quantity made	ton	120,781	—
Quantity sold	"	116,348	51,889,561
Not specified	—	—	4,386,574
Castors, all kinds	—	—	1,664,684
Catalogues, printed, etc.	—	—	16,422,405
Catsup (see "Tomato Catsup") ..	—	—	—
Caulking materials	—	—	1
Ceiling and siding, metal	—	—	819,278
Cellulose products, n.e.s.	—	—	1
Cement, asbestos	lb.	4,354,652	255,341
Cement, hydraulic* (including containers) ..	—	—	79,352,573
Cement, linoleum	—	—	516,920
Cement, rubber	—	—	806,777
Cement, not specified	—	—	1,807,033
Cereal products:			
Prepared (ready to serve)	lb.	90,997,520	26,743,001
Unprepared	"	18,674,483	1,817,209
Certificates, stock, bond, etc. (printed) ..	—	—	3,246,089
Chains, automobile	—	—	1
Chains, other than automobile, including sprocket chain ..	—	—	6,723,771
Chamois products	yd.	701,075	490,815
Channel rubber	lb.	1,796,914	1,134,855
Chaplets, foundry	—	—	1
Charcoal	ton	14,735	955,202
Cheese, Canadian cheddar	lb.	85,198,588	28,078,786
Cheese, other, whole milk	"	8,753,686	3,952,243
Cheese, skim milk and cottage	"	18,013,297	3,336,287
Cheese, process	"	45,889,387	18,826,272
Cheesecloth	yd.	1,263,133	506,973
Chemical products, n.e.s.	—	—	7,107,581
Cheques, notes, drafts, bank notes, etc. (printed) ..	—	—	5,273,943
Chests, cedar and other	No.	31,074	1,273,318
Chicken, canned (see "Meat, canned") ..	box	15,030,096	10,031,150
Chicory, roasted	—	—	1
Children's sleepers (see also "Infants' wear") ..	doz.	71,712	881,653
Children's waists n.e.s.	"	9,754	62,146
Chloride of lime	lb.	628,825	72,324
Chlorine, liquid	"	229,317,171	7,274,510
Chloroform	—	—	1
Chocolate drink included in "Food drinks, liquid".	—	—	—
Chocolate coating:			
Liquor	—	—	1
Sweetened:			
For own use	lb.	13,324,227	—
For sale	"	10,820,931	2,938,466
Choppers and grinders, food	—	—	192,782
Churns	No.	13	64,585
Cider (for sale)	gal.	164,956	81,698
Cigarettes	M.	260,900	19,723,097
Cigarettes*	"	27,343,996	366,114,213
Classifiers, metal-working	—	—	328,193
Clay, bentonite and other	—	—	393,050
Cleaners, vacuum and parts	—	—	9,923,714
Cleaner, hand	lb.	992,718	160,079
Cleaner, automobile, fabric, floor, etc.	—	—	1,084,811
Cleaning and scouring powders and pastes ..	lb.	40,607,033	5,930,200
Cleaning preparations, n.e.s.	—	—	3,125,572
Clips and staples, wire	—	—	935,033
Clocks	No.	1,346,677	4,219,024
Cloth, gummed	—	—	1
Clothes hampers	—	—	292,460
Clothes driers, electric, etc.	—	—	8,289,787
Clothes line	—	—	155,848
Clothes pins, wood	—	—	838,931
Clothing, hospital	—	—	1,302,331
Clothing military, n.e.s. (see also "Jackets", "Pants" and "Suits") ..	—	—	228,998
Clothing, oiled and waterproofed, n.e.s. (see also "Raincoats" and "Pants, rubberized and oiled") ..	—	—	1,374,607
Clothing, plastic, n.e.s. (see also "Aprons", "Raincoats" and "Coats and capes") ..	—	—	59,509
Clothing, rubber n.e.s.	—	—	444,313
Clothing, safety	—	—	552,812
Clothing n.e.s.	—	—	1,651,597

¹ Indicates that the commodity was reported by one or two concerns.

² Includes excise duties and sales tax.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Clothing, sport:			
Shorts:			
Women's and misses':			
Cotton	doz.	26,350	381,474
Other, including wool and wool mixtures	"	43,014	565,087
Men's and youths':			
Cotton	"	31,707	629,357
Not specified	"	5,389	106,426
Boys':			
Cotton	"	3,493	43,956
Children's:			
Cotton	"	50,502	476,295
Rayon	"	5,112	64,591
Wool and wool mixtures	"	12,391	159,837
Not specified	"	23,804	239,163
Slacks and jeans:			
Women's and misses':			
Cotton (including jeans)	No.	1,918,837	4,522,934
Rayon	"	200,972	552,791
Wool and wool mixtures	"	247,324	1,233,819
Not specified	"	16,546	53,645
Men's and youths': (see "Pants and slacks")			
Children's:			
Cotton (including jeans)	"	1,676,631	2,303,720
Rayon	"	158,330	274,542
Wool and wool mixtures	"	291,495	648,267
Not specified	"	61,965	73,173
Not specified	—	—	22,608
Suits, sport:			
Ski and snow suits:			
Women's and misses'	No.	23,113	312,491
Children's	"	800,582	3,888,504
Other sport suits:			
Women's and misses'	"	117,000	539,277
Children's:			
Cotton	"	25,344	45,176
Wool and wool mixtures	"	24,400	175,000
Rayon	"	27,025	111,377
Not specified	"	8,936	52,664
Clothing, sport, (baseball, gym and athletic) see also ("Pants, hockey, soccer, etc.")	—	—	710,915
Clothing, sport, other	—	—	1,508,731
Coats and jackets:			
Men's and boys' overcoats and top coats:			
Regular models:			
Boys'	No.	48,708	531,540
Men's and youths'	"	718,463	20,054,483
Station wagon (except short length):			
Boys'	"	1,796	14,113
Men's and youths'	"	7,004	114,155
Women's and misses' coats:			
Regular models:			
Rayon	"	92,207	1,182,736
Woolen	"	1,372,848	33,744,411
Other	"	66,441	2,124,477
Station wagon	"	50,711	570,917
Children's coats:			
Regular models:			
Woolen	"	913,626	8,974,453
Rayon	"	97,907	742,601
Not specified	"	17,287	96,788
Station wagon	"	39,533	373,382
Other coats, not specified	—	—	163,648
Boys' separate jackets (civilian)	No.	201,691	884,000
Men's and youths' separate jackets:			
Civilian	"	575,149	10,180,359
Military	"	213,950	2,252,978
Women's and misses' separate jackets:			
Wool and mixtures	"	81,207	1,089,241
Rayon and mixtures	"	144,313	843,691
Cotton	"	56,005	568,646
Other	"	78,954	518,508
Children's separate jackets:			
Wool and mixtures	"	334,630	900,692
Cotton	"	123,184	321,155
Rayon and mixtures	"	23,601	74,133
Other	"	14,320	28,320
Coats, blazers and jackets, not specified	"	372	5,622
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.):			
Wool and wool mixtures:			
Men's and youths'	doz.	86,682	8,633,914
Boys'	"	66,483	2,578,920
Children's (under 14)	"	15,389	747,155
Women's and misses'	"	3,420	384,701
Not specified	"	1,083	154,000
Cotton:			
Men's and youths'	"	58,462	3,855,831
Boys'	"	23,644	894,264
Children's (under 14)	"	20,864	682,654
Women's and misses'	"	14,379	1,005,853
Not specified	"	3,353	280,310

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Coats and jackets — Concluded:			
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.)			
— Concluded:			
Leather:			
Men's and youths	doz.	34,301	4,666.371
Boys'	"	2,895	279.069
Not specified	"	2,813	382.876
Rayon:			
Children's	"	13,568	540.434
Women's and misses'	"	4,394	124.855
Not specified	"	840	50.165
Other:			
Men's and youths'	"	55,811	5,342.037
Boys'	"	20,707	1,330.541
Children's (under 14)	"	8,307	444.191
Women's and misses'	"	9,096	703.558
Raincoats:			
Plastic:			
Children's		—	1
Men's and youths'	doz.	5,815	205.753
Women's and misses'	"	5,476	151.506
Rubber and rubberized:			
Children's		—	1
Showerproofed and waterproofed:			
Children's	No.	50,197	345.907
Men's and youths'	"	95,374	1,021.687
Women's and misses'	"	265,929	3,729.634
Not specified	"	253,608	2,753.633
Other, not specified	"	86,914	195.810
Coats and capes:			
Oiled		—	7,128
Plastic	doz.	26,330	513.681
Rubber, rubberized and shower proofed	"	34,161	1,196.447
Frunch coats and house coats	"	10,120	520.069
Coats, fur:			
Children's	No.	85	7,814
Ladies' (Coats, jackets, etc.)	"	219,438	49,620.697
Men's	"	73	16,706
Coats, fur-lined (ladies')	"	473	54,458
" " (men's)	"	1,061	197,325
Coat plates	—	—	634,143
Coating, industrial (plastic) (see also "Enamels, pipe-line")	—	—	1,037,797
Cobalt naphthenate	—	—	1
Cocoa (made for sale)	lb.	7,238,625	3,981,878
Cocoa butter:			
For own use	"	2,021,419	1
For sale	—	—	1
Cocoa and chocolate preparations n.e.s. (for sale)	lb.	13,965,897	6,532,124
Cocoonut, prepared and desiccated	—	—	1
Coffee-makers, electric	No.	136,570	1,426,658
Coffee-makers, glass	—	—	445,991
Coffee, instant	lb.	5,094,805	18,487,830
Coffee, roasted	"	77,627,733	77,518,064
Coffee, substitute	—	—	1
Coffins (see "Caskets and coffins")			
Coffins (shells or rough boxes) (see "Caskets and coffins")			
Coke, gas-house*	ton	4,331,216	65,377,694
Coke, petroleum*	"	295,402	3,736,573
Coke, pitch	—	—	1
Cold storage equipment (see also "Refrigeration equipment")			
Collars and cuffs	doz.	57,668	109,164
Collars, fur	No.	50,280	279,589
Colours, food, including caramel	—	—	566,857
Colours, dry	—	—	5,188,347
Colours, in oil and japan	gal.	59,685	310,233
Combs	doz.	2,346,555	1,093,448
Comforters:			
Cotton	No.	78,827	357,778
Down	"	5,141	100,334
Wool	"	63,792	324,651
Not specified	—	—	126,786
Communication systems (see "Radio communication equipment")			
Compacts (only), powder and rouge	No.	442,792	156,653
Compressors, air	—	—	8,032,251
Compressors and condensing units (refrigeration)	No.	39,372	2,705,068
Concentrates used for soft drinks (see also "Extracts, etc.")	gal.	455,596	5,207,230
Concrete, ready-mixed	cu. yd.	6,410,082	75,906,944
Concrete products n.e.s.	—	—	12,360,776
Condensers, evaporation (refrigeration)	No.	107	213,149
Conduit, fibre	—	—	1
Conduit, flexible, metallic	—	—	888,697
Conduit, rigid:			
Aluminum	—	—	1
Electrical, metallic tubing	—	—	2,055,180
Steel and non-ferrous	lb.	54,702,690	8,773,322
Conduit fittings	—	—	3,450,307
Cones, ice cream	M.	388,985	1,585,913
Cones and tubes, textile winding	—	—	1,081,936

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Confectionery, chocolate:			\$
In bulk	lb.	14,230,166	5,742,420
In bars	"	54,146,996	32,285,664
In packages	"	22,149,187	13,912,531
Moulded chocolate novelties	"	1,828,032	1,372,625
Not specified	"	233,495	129,851
Confectionery, marshmallow:			
In bulk	"	1,274,425	276,112
In packages	"	4,457,822	1,139,568
Confectionery, sugar:			
In bulk	"	41,118,369	9,002,437
In bars	"	2,399,687	1,108,900
In packages	"	28,829,694	8,644,597
Penny goods	gr.	4,513,525	3,682,085
Lozenges	lb.	1,920,804	348,358
Toffee:			
In bulk	"	1,222,181	369,707
In packages	"	4,864,090	1,738,371
Confectionery mixes (see "Icings and candy mixes")	"	2,359,647	1,472,308
Connectors for electrical equipment	—	—	3,274,058
Containers, n.e.s.	—	—	787,632
Control and starting equipment, industrial, n.e.s.	—	—	24,433,001
Converter equipment, electrical	—	—	5,238,807
Cooking equipment, n.e.s.	—	—	411,257
Coolers, milk and other	—	—	2,703,216
Cooperage products, not specified	—	—	34,691
Copper alloys	—	—	1
Copper and copper products, n.e.s.	—	—	1
Cores for paper rolls	M lin. ft.	12,329	1,394,208
Cores for small paper rolls and mailing tubes	—	—	1,213,199
Cores, lumber	—	—	1,573,501
Cork products, n.e.s.	—	—	428,016
Corn for popping	—	—	1
Corsets, girdles, brassieres, etc.:			
Corsets and girdles	doz.	329,254	9,916,498
Combination garments	"	28,531	1,585,974
Bandeaux, brassieres, etc.	—	—	12,910,932
Suspender girdles, shoulder straps, etc.	—	—	186,034
Cosmetic containers and other cosmetic accessories, n.e.s. (see also "Compacts")	—	—	740,073
Cotton fabrics:			
Unbleached or grey	lb.	77,459,324	—
Bleached or white	yd.	214,923,209	56,059,370
Printed and painted }	lb.	13,237,875	—
Yarn and stock dyed }	yd.	42,297,046	13,998,647
Piece dyed }	lb.	31,910,920	—
Piece dyed }	yd.	97,320,110	32,746,265
Not specified	lb.	24,380,012	—
Not specified	yd.	75,810,196	26,619,761
Counters, shoe	pr.	22,718,727	1,168,485
Couplings, flexible, etc.	—	—	836,243
Coverings, boiler and pipe, asbestos and other	—	—	778,450
Covers, baby carriage and crib	—	—	2,853,517
Covers, boat	—	—	43,160
Covers, canvas	—	—	385,878
Covers, couch, table and other furniture	—	—	3,980,134
Covers, mattress	—	—	1,547,609
Covers, stockinette, meat (see "Knitted fabrics")	—	—	820,727
Covers, seat, automobile	—	—	3,561,163
Covers, not specified	—	—	1,871,173
Crates, shipping, auto and other	—	—	3,366,554
Crates, wax and chalk	—	—	613,039
Cream, whey, sold in dairy factories	lb. b. f.	957,212	517,143
Cream, other, sold in dairy factories	"	28,253,577	32,404,223
Cream transferred to branches of firms reporting	"	7,638,752	5,632,564
Cream of tartar, refined	lb.	205,708	164,481
Cream separators	No.	695	68,055
Croquet sets	—	—	1
Cross arms	—	—	919,201
Crucibles, platinum	—	—	872,410
Crushers, rock and parts	—	—	3,200,121
Cuffs, fur	pr.	476	8,585
Cultivators	No.	13,726	3,752,537
Cups, paper, baking, bonbon, etc.	M	1,331,223	2,434,156
Cups, paper, drinking	"	981,365	5,521,162
Curtains, shower	—	—	430,620
Curtains, fabric	pr.	786,380	3,076,643
Curtains and drapes, plastic	doz.	51,796	676,223
Curtain rods and fixtures	—	—	2,064,286
Cushions	—	—	1,279,592
Cushion forms	—	—	127,760
Cushion tops	No.	70,860	60,332
Cushions, mats and pads, air and sponge	"	4,920	11,763
Cutting blocks and tables, butcher	—	—	165,658
Cutlery, all kinds (see also "Flatware")	—	—	3,209,980
Cyclohexonal phthalate	—	—	1
Dairy products, not specified	—	—	1,736,267
Dairy equipment, not specified	—	—	968,185
Decorations, including party favours, confetti, etc.	—	—	1,577,831
Dentifrices	—	—	9,027,361
Dentists' supplies, n.e.s.	—	—	261,405

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Deodorant (personal)	—	—	2,727,925
Deodorant (not personal)	—	—	834,150
Desk sets	—	—	249,565
Detergents	lb.	155,564,594	42,406,807
Dextrine	—	—	1,467,895
Dextrose	—	—	1
Diaries, printed, etc.	No.	847,295	346,803
Dibutyl phthalate	—	—	1
Dicyandiamide	—	—	1
Dies, stamping, drawing, and cutting	—	—	1,021,306
Dies, metal working, n.e.s.	—	—	9,346,368
Dies, taps and stocks	—	—	1,153,291
Dies, rubber, etc.	—	—	580,807
Dinnerware (see "Tableware")	—	—	1
Diocetyl phthalate	—	—	1
Discs, agricultural (see "Ploughs")	—	—	1
Discs for cartridge cases	—	—	1
Dish cloths	—	—	387,518
Dishwashers, electrical, commercial and other	—	—	1
Disinfectants	—	—	1,201,263
Displays, advertising	—	—	8,729,337
Display forms, mounting, etc.	—	—	1,128,157
Distillers' grain (see "Grain, brewers' and distillers' ")	—	—	1
Dog collars and harness	—	—	100,447
Doilies and dinner cloths, paper	—	—	1
Dolls, all kinds	—	—	4,118,714
Dolls' furnishings and parts	—	—	439,983
Doors, folding	—	—	2,099,965
Doors, metal clad	—	—	9,339,823
Doors, veneer and ply wood	No.	2,445,388	16,760,130
Doors, not specified	—	—	4,352,073
Doughnuts	—	—	10,681,539
Dowels	M lin. ft.	48,457	521,596
Down, processed (included with "Feathers")	—	—	1
Drapes and drapery material	—	—	3,078,966
Dresserware, plastic	—	—	1
Dresses, children's:			
Cotton	No.	2,223,829	4,600,196
Nylon	"	885,561	2,397,467
Rayon and rayon mixtures	"	641,483	1,695,987
Wool and wool mixtures	"	312,272	1,038,424
Not specified	"	43,673	115,208
Dresses, women's and misses':			
Cotton (see also "Coats, brunch coats, house coats, etc.")	"	5,474,919	23,294,595
Nylon	"	281,505	3,386,349
Rayon and rayon mixtures	"	4,836,109	40,937,680
Wool and wool mixtures	"	617,246	8,128,371
Wool, knitted suits and dresses (including children's)	"	134,772	753,309
Not specified	"	344,715	3,618,643
Dressing gowns, negligees, (see "Bathrobes, etc.")	—	—	—
Dressing, salad	lb.	27,259,238	6,897,985
Dressings and finishes, leather, (not including polish)	—	—	1,475,344
Drilling machines (metal working)	—	—	1
Drills, grain and fertilizer (combination)	No.	10,451	5,040,697
Drills, grain, press and plain	"	1,024	439,171
Drills, reamers, etc. including screw plates	—	—	18,980,873
Drills, diamond and rock	—	—	4,341,738
Drink mixers	—	—	1
Drives, V-belt	—	—	883,367
Druggists' sundries:			
Hot water bottles	doz.	24,255	190,792
Nipples and soothers	"	215,335	122,067
Ice caps and collars	"	2,795	35,807
Not specified	—	—	4,499
Drums, veneer, plywood and other	No.	130,206	191,581
Dyeing, finishing, shrinking, etc.:			
Dyeing and finishing of textiles	—	—	8,986,777
Dyeing and finishing of yarns	—	—	834,113
Dyeing and finishing of other products	lb.	3,487,931	575,816
Bleaching, sponging, dyeing, etc. (custom)	—	—	3,059,902
Dyes, blended and packaged	—	—	184,754
Dyes, leather	—	—	24,609
Ear muffs	—	—	92,693
Eavetrough and pipe (see "Roof drainage equipment")	—	—	—
Economizers	—	—	200,639
Egg cases	No.	447,891	285,748
Egg case fillers	—	—	1,034,102
Eggs, frozen	lb.	3,411,096	1,273,607
Egg substitute, including powdered albumen	—	—	9,032
Elastic products, not elsewhere specified	—	—	913,011
Electric heating elements (sold separately)	—	—	4,776,324
Electric apparatus, parts and supplies, n.e.s.	—	—	13,925,479
Electrical instruments (see "Instruments, etc.")	—	—	1
Electrodes, carbon and graphite	—	—	1
Electrodes, platinum	—	—	1
Electronic equipment, n.e.s.	—	—	1,036,324
Electrotyping and stereotyping	—	—	9,786,655
Elevators, freight and passenger	—	—	14,804,082
Elevator parts	—	—	1,119,275
Embalming fluid	—	—	241,455
Embossing	—	—	384,464

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Embroidery	—	—	4,477,960
Enamels, oil and synthetics (included in "Paints and enamels")	—	—	1
Enamels, pipe-line	—	—	1
Engines, auto	No.	187,357	39,158,217
Engines, auto, parts	—	—	2,382,223
Engines, diesel	No.	211	6,223,309
Engines, gasoline, all types except automobile	—	—	12,150,281
Engines (steam turbines, marine)	—	—	1
Engine parts	—	—	4,787,924
Engraving (trade work)	—	—	612,739
Ensilage cutters	No.	86	43,720
Ensilage and forage harvesters	—	568	816,000
Envelopes, made	M.	4,329,495	17,173,650
Envelopes, printed	—	—	8,797,879
Escalators	—	—	1
Ethyl acetate	—	—	1
Ethyl hexonal	—	—	1
Ethylene	—	—	1
Ethylene oxide	—	—	1
Evaporative condensers	—	—	1
Evaporators (fin coils, ice-makers, etc.)	—	—	1,826,775
Excelsior, paper	—	—	178,790
Excelsior, wood	ton	6,876	394,829
Excelsior, wrappers, mats and pads	No.	10,483,695	212,311
Explosives	—	—	1
Extracts, flavouring (bakers', confectioners', household, etc.)	—	—	5,282,189
Extracts, flavouring, etc (used for soft drinks) (see also "Concentrates")	gal.	69,299	630,146
Fabrics, coated and impregnated, including felt saturated, book cloth and shoe materials	—	—	2,593,894
Fabrics, rubberized and waterproofed	sq. yd.	580,666	242,431
Fabrics, other, n.e.s.	—	—	1,416,848
Face cloths	—	—	865,853
Facial tissue, (see "Tissues, cleansing")	—	—	—
Facing and parting, foundry	—	—	700,678
Fanning mills	No.	1,562	361,326
Fans, electric	—	214,187	2,831,621
Farm equipment, n.e.s.	—	—	648,305
Fasteners, zipper	ft.	94,997,874	7,765,434
Fasteners, other than zipper	—	—	1,309,291
Fats, animal, n.e.s.	lb.	580,000	37,155
Feathers and down, millinery and other	—	—	772,334
Feed, chopped grain	ton	644,305	36,749,663
Feed cutters and mixers (see also "Ensilage cutters")	No.	235	99,562
Feed, poultry	ton	1,304,106	110,968,235
Feed, stock	"	1,141,312	83,969,423
Feed, stock and poultry, n.e.s.	"	31,481	2,298,189
Feed supplements n.e.s.	—	—	1
Felt, coated and saturated (included in "Fabrics coated, etc.")	—	—	—
Felt, cotton	lb.	6,469,300	927,331
Felt, harness and athletic	—	—	404,179
Felt, industrial and automotive (uncut)	lb.	1,679,330	1,190,003
Felt, insoling, uncut	—	—	1
Felt, jute	—	—	1
Felt, sole	—	—	1
Felt, padding	—	—	2,131,842
Felt, paper (see "Paper, building and roofing")	—	—	—
Felt, pennant, crest and fancy lining	sq. yd.	897,717	597,248
Felt, shoe and gaiter	"	333,467	272,471
Felt, for pulp and paper making	—	—	14,850,302
Felt, punch felts	sq. yd.	43,859	39,657
Felt, n.e.s.	—	—	1,189,281
Fences, electric	—	—	119,382
Fencing, steel wire:	—	—	—
Farm fence	ton	12,968	2,631,760
Lawn fence	"	1,457	400,447
Chain link fabric	"	5,877	1,621,596
Fencing, snow	—	—	466,957
Ferro-alloys, (ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.)	—	—	39,336,478
Fertilizers, complete	—	—	35,373,406
Fertilizers, other than mixed including ammonium nitrate (fertilizer grade), ammonium phosphate, calcium cyanamide, ammonium sulphate and superphosphate	—	—	56,978,088
Fertilizer sizers	—	—	1
Fibre glass products	—	—	1
Fibre, staple (rayon)	—	—	1
Files and rasps	—	—	1
Filing system supplies	—	—	4,303,602
Filling, pie, apple	lb.	7,007,735	963,672
Filling, pie, other than apple	"	19,448,312	3,966,110
Filling, pie, powder, (included in "Powders, pudding")	—	—	1
Films, motion picture	—	—	1
Films, photographers' including X-ray films	—	—	2,538,253
Filters, mining and metallurgical, etc.	—	—	—
Filters, oil, auto:	—	—	—
Complete	No.	687,208	909,789
Elements, only	"	4,276,924	3,838,136
Firearms	—	—	1
Fire clay	ton	8,448	64,588
Fire extinguishers, hand-type	—	—	2,911,841
Fire fighting and fire protection equipment, n.e.s.	—	—	4,061,805
Fireplaces and furnishings	—	—	961,271

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Fireworks (see "Pyrotechnics")			
Fish, canned	case	2,255,496	45,378,700
Fish, otherwise prepared ¹	lb.	267,559,000	33,718,500
Fish, fresh, marketed for consumption sold in factories ¹	"	251,842,000	53,287,300
Fishing nets and netting	"	"	2,720,995
Fishing tackle	"	"	2,585,353
Fixtures, lighting:			
Commercial and industrial	"	"	19,354,441
Residential	"	"	6,015,555
Street-lighting	"	"	3,594,909
Searchlights and floodlights	"	"	1,134,563
Other lighting equipment	"	"	254,592
Flags and bunting	"	"	338,372
Flashlights and cases	No.	332,832	339,827
Flatware, electro-silver plated and sterling (see also "Cutlery")	"	"	7,675,134
Flints for lighters	"	"	"
Flocks, wool and other n.s.	lb.	10,498,800	807,738
Floor cleaning equipment, n.e.s.	"	"	304,495
Floor covering, including linoleum, etc.	"	"	1
Flooring, hardwood	M ft. b.m.	77,766	14,852,034
Flooring, sheet rubber	"	"	275,565
Floor tile and joists, steel	"	"	1
Flooring, metal	"	"	1
Flotation machines	"	"	1
Flour, barley	"	"	1
Flour, buckwheat	"	"	1
Flour, corn	"	"	1
Flour, diabetic	"	"	1
Flour, potato (see "Starch and flour")	"	"	"
Flour, prepared and self-raising, cake mixes, pie crust, etc.	lb.	100,211,297	19,188,632
Flour preparations for sausage fillings	"	"	1
Flour, soya bean	"	"	"
Flour, wheat:			
Spring, No. 1 patent including Semolina	cwt.	7,804,488	34,445,656
Spring No. 2 patent	"	12,220,242	50,944,562
Spring, No. 3 patent	"	13,387,625	55,914,790
Ontario winter	"	2,794,735	11,483,258
Low grade flour	"	1,667,992	5,963,446
Durum Semolina	"	578,046	2,760,686
All other	"	1,145,779	4,533,108
Flour, graham or whole wheat	"	496,292	2,037,243
Flour, rye	ton	5,712	425,221
Flowers, artificial	"	"	2,051,863
Fly linings	"	"	946,588
Fly pads and paper	"	"	1
Fly swatters	"	"	35,832
Foil (aluminum) laminated with paper or board	lb.	9,841,702	5,986,943
Foil, tin, lead and aluminum	"	"	9,890,490
Foil products, n.e.s.	"	"	1,369,789
Folding (trade work)	"	"	425,268
Food drinks, liquid (see also "Powder, food drinks")	gal.	4,158,562	3,774,299
Food, bird, fox, dog, etc.:			
Bird food	ton	1,715	487,912
Fox biscuits	"	"	1
Dog biscuits	ton	4,101	883,671
Canned dog and cat food	"	54,212	10,124,599
Other dog and cat food	"	10,535	1,882,276
Other fox food	"	2,995	430,699
Mink and other animal food	"	22,838	2,305,075
Food, stock and poultry n.e.s. (see "Feeds")			
Food mixers	No.	236,037	4,087,129
Food, infant, canned	lb.	55,037,469	15,171,387
Food, infant, other including precooked cereal	"	7,742,232	2,348,786
Foods, frozen, n.e.s.	"	4,239,197	2,427,424
Food products, not specified	"	"	1,822,920
Foots, vegetable oil	lb.	"	146,405
Footwear, leather: (see also "Slippers"):			
Felt uppers (including felt slippers):			
Babies'	pr.	36,430	54,516
Boys'	"	19,402	47,458
Children's, including little gents	"	21,335	40,786
Men's	"	304,556	877,565
Youths'	"	6,225	14,517
Misses'	"	17,364	39,838
Women's and growing girls'	"	21,335	51,112
Leather or fabric uppers:			
Babies'	"	2,923,254	5,439,322
Boys'	"	1,234,854	4,192,031
Children's and misses'	"	5,753,367	13,730,220
Men's	"	8,024,424	43,907,385
Youths'	"	266,409	746,227
Women's and growing girls'	"	16,187,205	56,520,966
Footwear, moccasins, including shoe packs:			
Babies'	"	24,764	17,368
Boys'	"	24,124	45,268
Children's including little gents	"	59,158	64,496
Men's	"	153,109	405,570
Youths'	"	3,351	6,158
Women's, misses' and growing girls'	"	518,986	757,055
Footwear, plastic	"	"	3,114,179

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 —Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Footwear, rubber:			
Knee and hip boots, all rubber	pr.	1, 538, 580	5, 196, 758
Lumbermen's boots, all rubber	"	532, 072	2, 650, 622
Lumbermen's boots, all leather tops	"	157, 123	1, 108, 279
Overshoes and goshoes, cloth uppers	"	947, 070	3, 634, 490
Overshoes, all rubber (lined and unlined)	"	4, 052, 544	12, 292, 050
Light and heavy rubbers	"	3, 100, 435	4, 204, 965
Rubber bottoms for leather tops	"	258, 714	722, 364
Utility footwear with canvas or other fabric tops	"	1, 830, 812	3, 579, 067
Footwear, not specified	—	—	1, 698, 400
Forgings, iron and steel	—	—	27, 488, 592
Forgings, other	—	—	7, 945, 810
Forgings, other (farm implements)	—	—	478, 471
Formaldehyde	lb.	30, 105, 075	1, 483, 522
Forms, continuous, printed	—	—	19, 070, 384
Formvar	—	—	—
Fountains, soda and luncheonette equipment	—	—	—
Frames and cases, spectacle	—	—	—
Freezers, individual, home and farm	No.	12, 799	3, 222, 465
Fringes, cords and tassels	—	—	728, 143
Frit, enamel	—	—	—
Fruit drinks	—	—	855, 491
Fruit juices, canned, bottled, etc., including grape juice	lb.	72, 603, 231	5, 520, 673
Fruit juices, concentrated (frozen)	—	—	62, 257
Fruit peel, candied	lb.	3, 169, 486	882, 947
Fruit pulp	—	1, 320, 700	33, 018
Fruit, canned:			
Apples, including crab apples	"	11, 983, 493	1, 157, 687
Apple sauce	"	12, 862, 561	1, 328, 693
Apricots	"	5, 528, 794	1, 093, 874
Blackberries	—	—	—
Blueberries	lb.	764, 867	185, 757
Cherries	"	7, 237, 627	1, 456, 429
Loganberries	—	—	—
Peaches	lb.	42, 332, 861	7, 834, 347
Pears	"	32, 672, 694	4, 926, 755
Plums	"	10, 093, 974	1, 043, 537
Raspberries	"	2, 625, 658	742, 316
Rhubarb	"	399, 198	52, 909
Strawberries	"	3, 253, 079	893, 012
Fruit cocktail and fruit for salad	"	6, 759, 646	1, 580, 636
Other fruits, not specified, pineapple, etc.	"	5, 154, 902	911, 920
Fruits, fountain	"	1, 004, 756	296, 712
Fruits, glacé	"	5, 605, 202	2, 117, 155
Fruits, maraschino cherries	"	3, 514, 005	1, 906, 161
Fruits, frozen for re-processing	—	—	700, 727
Fruits, frozen, not for reprocessing	lb.	12, 932, 489	2, 922, 064
Fruits, in SO ₂ for reprocessing	—	2, 711, 260	249, 615
Fruits and flavours for ice cream	gal.	378, 435	747, 521
Fry pans, electric	No.	324, 837	3, 827, 966
Fuel, hog	—	—	435, 775
Fur dressing and dyeing	—	—	6, 241, 696
Fur trimming	—	—	1, 786, 811
Fur remodelling, repairing, etc.	—	—	5, 312, 503
Furnaces, warm air	No.	139, 532	25, 481, 623
Furnaces, industrial, other	—	—	1, 293, 133
Furnaces, not specified, and furnace parts	—	—	1, 331, 203
Furniture, wood:			
Camp, lawn and verandah	—	—	675, 308
Children's	—	—	3, 624, 794
Household:			
Bedroom	—	—	37, 087, 380
Breakfast-room	—	—	952, 356
Dining-room	—	—	6, 293, 243
Kitchen	—	—	5, 788, 105
Living room (not upholstered)	—	—	7, 552, 204
Other	—	—	3, 981, 140
Office, store and restaurant	—	—	23, 082, 438
School, church, lodge, etc.	—	—	8, 488, 005
Other, furniture and cabinet work, n.e.s.	—	—	7, 132, 248
Furniture, metal:			
Breakfast room	—	—	15, 998, 542
Camp, lawn and verandah	—	—	3, 574, 244
Children's	—	—	332, 375
Household, n.e.s.	—	—	2, 110, 325
Office, store, school, restaurant, theatre, etc.	—	—	16, 588, 687
Other not specified	—	—	13, 213, 898
Furniture, wood or metal:			
Living room (upholstered)	—	—	53, 140, 927
Not specified (upholstered)	—	—	4, 418, 857
Furniture, not specified:			
Camp, lawn and verandah	—	—	55, 138
Office, school, store, church, theatre, etc.	—	—	1, 671, 329
Furniture frames and parts:			
Wood	—	—	5, 827, 004
Metal	—	—	606, 330
Not specified	—	—	1, 274, 177
Furniture glides	—	—	153, 058
Fuses and fuse wire	—	—	4, 678, 895
Gaiters, spats and leggings	—	—	136, 990

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Galvanized ware	—	—	2,063,268
Games, not specified	—	—	2,019,128
Garage equipment, n.e.s.	—	—	2,409,958
Gas made: ¹			
Retort coal gas	M cu. ft.	8,975,328	—
Coke oven gas	"	60,517,611	—
Producer gas	"	817,157	—
Water gas	"	6,334,101	—
Other	"	1,927,081	—
Gas, dry, natural	"	27,763,022	2,656,804
Gas, sold	"	19,547,028	20,122,843
Gas used in own coke or gas plants	"	14,903,934	3,774,171
Gas used in associated metallurgical work	"	40,864,732	9,341,127
Gas, otherwise accounted for, but not sold	"	1,317,314	498,866
Gas, not accounted for	"	1,866,953	644,258
Gas, still, from petroleum refineries ¹	"	27,957,159	14,760,992
Gas, oil, pintsch	"	26,545	411,148
Gases, liquefied petroleum ¹	gal.	137,116,604	11,647,521
Gasoline ¹	"	3,063,284,112	561,464,294
Gas producing apparatus and parts	—	—	1
Gates	No.	33,266	760,857
Gauges, pressure (included in "Instruments".)	—	—	—
Gauges, plug, ring, thread, etc.	—	—	624,743
Gears, rubber tired, truck, trailers, etc.	—	—	613,451
Gears, transmission	—	—	2,659,392
Gelatine	—	—	1
Generators:			
Alternating current	No.	425	10,776,761
Direct current	"	304	1,152,928
Generators, steam, and parts	—	—	3,077,781
Glass, beveled and polished edge, plates and sheets	—	—	1,512,531
Glass, cut (tumblers, bowls, etc.)	—	—	901,008
Glass, leaded, including memorial windows	—	—	274,858
Glass, non-shatterable	—	—	23,357,205
Glass, pressed, blown and drawn, including bottles, sealers, windows, kitchenware, etc.	—	—	47,970,245
Glass vials and chemical glassware	—	—	643,219
Glassware, decorated	—	—	685,552
Glass products, other, including windshield glass	—	—	3,044,541
Glasses, sight (see "Spectacles")	—	—	—
Glasses, sun	—	—	1,255,195
Gloves and mittens, fabric, dress:			
Cotton:			
Men's	doz. pr.	—	—
Women's	"	48,670	785,940
Children's	"	—	—
Nylon, all types	"	62,384	766,700
Rayon and rayon mixtures, all types	"	14,678	133,982
Not specified	"	6,796	76,916
Gloves and mittens, fabric, work:			
Cotton:			
Men's	"	806,931	2,415,508
Other, including leather-faced	"	82,718	406,183
Gloves and mittens, fabric, n.e.s.	"	94,684	389,780
Gloves and mittens, knitted	"	136,397	986,389
Gloves and mittens, leather, dress:			
Men's, lined	"	129,718	2,946,033
Men's unlined	"	32,569	805,198
Women's and children's, lined	"	43,047	463,420
Women's and children's, unlined	"	12,037	323,015
Gloves and mittens, leather, work:			
Men's, lined	"	76,011	1,164,879
Men's, unlined	"	437,634	4,410,260
Women's and children's, lined	"	57,264	511,209
Women's and children's, unlined	"	10,207	105,934
Gloves and mittens, leather, sport (see also "Sport gloves and mittens, baseball, hockey, etc.")	—	—	166,261
Gloves, plastic, coated and rubberized	doz. pr.	226,734	949,840
Gloves, rubber	"	179,586	956,522
Glucose	—	—	1
Glue (bone, hide, fish and vegetable)	lb.	76,296,988	11,259,759
Glue stock	"	31,552,844	143,932
Gluten feed	—	—	1
Glycerine, crude	lb.	1,580,489	252,617
Glycerine, refined	"	11,770,053	3,751,004
Glycols, not specified	—	—	1
Goggles, safety	—	—	1
Gold alloys	—	—	3,220,386
Gold, fine	—	—	700,405
Gold leaf	—	—	1
Golf clubs (complete)	No.	245,569	1,458,659
Golf supplies, including golf bags, carts, etc. (see also "Balls, golf")	—	—	218,526
Grains, roasted	—	—	1
Grains sold wet and dry (Brewers' and distillers')	ton	228,227	3,799,065
Granite monuments	—	—	3,365,049
Granite, for building purposes	—	—	1,261,689
Granules, roofing	—	—	694,043
Grape concentrate	—	—	1
Grape juice (included in "Fruit juices")	—	—	—
Graphite (included in "Electrodes carbon and graphite")	—	—	—
Grate bars and grating	—	—	1,220,694

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Gravy preparations	—	—	800,728
Grease	—	—	404,003
Grease, lubricating*	—	—	2,975,078
Grills and hot plates, electric including stoves for glass coffee makers	—	—	988,906
Grinding machines (Metal working)	No.	148	316,288
Guanidine nitrate	—	—	1
Gums, unvulcanized	lb.	1,180,238	524,960
Gymnasium supplies, not specified	—	—	371,594
Gypsum blocks and sheathing	sq. ft.	10,911,588	470,172
Hair, animal	—	—	1,574,031
Hair nets (included in "Hair dressing equipment and accessories")	—	—	1
Hair processed (resilatax)	—	—	1
Hair goods, not specified	—	—	189,895
Hair dressing equipment and accessories	—	—	826,058
Halters, leather	No.	40,589	80,139
Hammers (forging) metal working	"	59	355,533
Handkerchiefs	doz.	179,243	362,751
Handles, broom and mop	No.	8,243,530	659,858
Handles, long tool and axe	"	3,317,444	1,654,136
Handles, small tool	"	12,438,990	659,183
Handles, n.e.s.	—	—	1,696,798
Handling equipment, n.e.s.	—	—	2,970,224
Hangers, garment	—	—	1,212,741
Hardware appliances	—	—	279,444
Hardware, automobile	—	—	7,865,454
Hardware, builders'	—	—	17,143,584
Hardware, furniture	—	—	4,269,136
Hardware, harness and saddlery	—	—	1
Hardware, pole-line (line materials, distribution specialties, etc.)	—	—	11,894,892
Hardware, trunk and suitcase	—	—	467,353
Hardware, not specified	—	—	6,347,833
Harness, double	set	600	59,264
Harness, single	"	752	37,442
Harness collars	No.	17,423	118,927
Harness parts	—	—	287,961
Harrows, disc (horse or tractor drawn)	No.	9,954	2,498,122
Harrows, drag and spring tooth	"	34,062	445,516
Harrow carts	—	—	1
Hassocks	—	—	633,848
Hat blocks	—	—	84,924
Hats, cotton:	—	—	—
Men's	doz.	6,601	103,008
Women's	"	5,714	68,018
Children's	"	12,824	125,079
Hats, fur felt:	—	—	—
Men's	"	87,759	4,758,050
Women's and children's	"	32,301	1,645,914
Hats, linen, women's and children's	"	7,892	190,185
Hats, wool felt:	—	—	—
Men's	"	18,218	370,217
Women's	"	53,958	1,428,890
Children's	"	8,824	140,213
Hats, velour felt:	—	—	—
Women's	"	47,074	2,216,055
Other	"	110	3,800
Hats, straw:	—	—	—
Men's	"	10,382	251,005
Women's	"	99,945	4,208,664
Children's	"	29,748	436,819
Hats, panama	"	14,906	521,842
Hats, silk and rayon, women's and children's	"	24,210	633,287
Hats, velvet, women's and children's	"	54,547	1,565,649
Hats, wool, women's and children's	"	8,116	164,539
Hats, not specified:	—	—	—
Men's	"	9,153	51,330
Women's	"	40,600	1,115,187
Children's	"	26,809	169,743
Tams, berets and turbans	"	9,668	103,213
Headwear, not specified	—	—	1,494,858
Hats and caps, fur (see also "Caps, fur")	—	—	27,318
Hats, cleaned and reblocked	—	—	1
Hat bodies	—	—	2,145,064
Hatters' supplies, including hat linings	—	—	295,439
Hay loaders	No.	304	63,975
Hay rakes, dump, tedders, etc.	"	6,987	1,155,490
Hay balers, hay carriers, etc.	"	4,209	4,772,452
Hay stackers	"	79	50,721
Heading, barrel	—	—	282,311
Hearing aids	—	—	1
Heaters, air, electric	No.	94,095	1,340,135
Heaters, auto and engine	—	—	4,622,856
Heaters, electric, unit	—	—	5,443,785
Heaters, water tank, coal, wood or oil	—	—	25,104
Heaters, water tank, gas	No.	49,328	3,279,261
Heaters, water tank, electric	—	—	1,173,112
Heaters, water, electric, including tanks and controls	No.	58,243	3,741,428
Heaters, not specified	—	—	491,154
Heating and ventilating equipment, not elsewhere specified	—	—	13,751,480
Hectograph composition	—	—	110,520
Heels, leather, wood, etc.	pr.	23,454,288	4,004,693

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Heels, rubber and composition	pr.	14,219,715	1,742,739
Heel lifts	"	56,424	6,643
Helmets	doz.	4,841	52,818
Hexachlorethane	"	—	1
Hexamethylenediamine	"	—	1
Hides, all kinds	"	—	11,105,546
Hockey pucks	doz.	58,277	81,898
Hockey sticks	"	—	1,636,469
Hoes, hand	"	—	238,151
Hoists	"	—	5,091,002
Hollow-ware, copper	"	—	286,975
Hollow-ware, sterling silver	"	—	63,121
Hollow-ware, silver-plated on Britannia metal	"	—	1,175,923
Hollow-ware, silver-plated on brass and copper	"	—	62,399
Hollow-ware, silver-plated on lead alloy	"	—	69,704
Hollow-ware, silver-plated on nickel silver	"	—	155,849
Hollow-ware, other	"	—	1
Holster sets	"	—	1
Honey butter	"	—	1
Hooks, eyes, notions, etc., not elsewhere specified	"	—	439,350
Hoops, wooden	M	3,354	120,887
Hoops, steel and steel wire (included in "Sheets, hoops, bands and strips, iron and steel")	"	—	—
Hooves and horns	lb.	3,102,916	67,887
Hormones, sex	"	—	2,547,135
Horseradish, prepared	lb.	638,007	312,211
Horseshoes	"	—	149,287
Hose, fire, cotton	"	—	1,208,402
Hose, fire, rubber	lb.	810,761	1,242,931
Hose, garden, koroseal	ft.	19,517,154	1,213,504
Hose, garden, rubber	"	7,396,381	781,853
Hose, other	"	—	11,161,010
Hosiery:			
Cotton and cotton mixtures:			
Men's seamless:			
Work socks	doz. pr.	100,662	479,247
Fine socks	"	150,621	597,149
Other (anklets, sport, etc.)	"	180,790	667,703
Women's seamless:			
Full length stockings	"	138,120	548,277
Other (anklets, sport, etc.)	"	228,071	603,716
Children's, seamless:			
Full length stockings	"	359,209	1,176,511
Golfers	"	18,776	76,908
Other	"	658,463	1,524,250
Full-fashioned, type not specified	"	25,085	155,926
Silk and silk mixtures, seamless and full-fashioned	"	11,476	158,079
Rayon and rayon mixtures:			
Men's, seamless	"	27,152	139,843
Women's, seamless	"	34,622	96,555
Children's, seamless	"	81,076	186,483
Full-fashioned (all types)	"	9,131	78,562
Nylon:			
Seamless	"	2,186,260	12,615,760
Full-fashioned	"	4,070,335	27,150,577
Wool and wool mixtures:			
Men's, seamless:			
Work socks	"	573,147	3,176,608
Fine socks	"	527,370	4,490,597
Other	"	379,517	2,815,735
Women's, seamless:			
Full length stockings	"	47,680	394,401
Other (anklets, etc.)	"	62,144	345,819
Children's, seamless:			
Full length stockings	"	76,492	478,334
Golfers	"	88,555	448,946
Other (half length, anklets, etc.)	"	122,844	508,712
Hosiery, not specified	"	125,000	752,635
Household equipment (plastic)	"	—	843,783
Houses, pre-fabricated (see "Buildings, etc. pre-fabricated")	"	—	—
Humidifiers and air conditioners	"	—	739,388
Hydrants	No.	11,863	2,051,238
Hydrogen	"	—	1
Hydrogen chloride, anhydrous	"	—	1
Hydrogen peroxide	"	—	1
Hydrol	"	—	1
Ice, artificial	ton	467,343	3,601,702
Ice cream (factory)	gal.	31,631,406	51,592,515
Ice cream mix	"	—	3,738,950
Iceings, icing paste and candy mixes	lb.	1,907,069	512,503
Implement, hand, n.e.s.	"	—	1
Incense and incense charcoal	"	—	1
Incubators and other poultrymen's supplies	"	—	263,494
Infants' wear (see also "Knitted infants' wear"):			
Bibs	doz.	184,818	247,742
Coats	"	41,257	1,417,058
Dresses	"	105,252	1,559,287
Diapers	"	338,803	1,666,506
Headwear	"	36,756	598,483
Night gowns	"	95,205	522,433

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Infants' wear (see also "Knitted infants' wear") — Concluded:			
Rompers	doz.	114,067	949,035
Sleepers (see also "Children's sleepers")	"	63,953	740,630
Sleeping bags	"	13,437	654,952
Not specified	"	—	530,748
Ingot (see "Aluminum", "Steel", "Brass", "Bronze")			
Ink eraser, liquid	—	—	1
Ink, printing and lithographing	lb.	30,134,128	13,695,626
Ink, writing	—	—	385,100
Ink, not specified	—	—	211,697
Insecticides including D.D.T.	—	—	6,520,453
Instruments, (indicating, recording, controlling, etc. n.e.s.):			
Aircraft engine and flight instruments	—	—	7,801,199
Electric quantity instruments and accessories	—	—	12,479,430
Flow and liquid level instruments and accessories	—	—	1,235,892
Optical instruments	—	—	249,475
Pressure measuring, including gauges and accessories	—	—	1,244,804
Temperature and hygrometric instruments and accessories	—	—	7,668,087
Other instruments and accessories, n.e.s.	—	—	8,954,721
Insulating materials, n.e.s. (see also "Wool, mineral" and "Vermiculate")	—	—	2,651,886
Insulators, porcelain and insulator parts	—	—	7,957,195
Interoffice communication sets, excluding telephone apparatus provided	—	—	1
Iron, pig:			
Quantity made	ton	3,568,203	—
Quantity shipped	"	649,213	34,501,520
Iron and steel products, rolled, n.e.s.	—	—	1,537,501
Irons, electric	—	—	5,392,238
Irons, gasoline	—	—	1
Ironers, electric	No.	4,647	379,726
Iron work ornamental and architectural	—	—	16,710,644
Ironing boards	—	—	591,045
Irrigation equipment	—	—	538,399
Jacks, auto	—	—	1
Jacks, lift, screw and ratchet	—	—	1
Jams	lb.	84,329,853	16,072,970
Javelle water	—	—	8,980,842
Jellies	lb.	7,204,959	1,378,011
Jewellery	—	—	21,911,509
Jigs and fixtures	—	—	3,153,012
Jointers, woodworking	—	—	1
Jute, jute paddings and jute yarn	—	—	776,961
Kegs, beer	No.	4,660	113,517
Kegs, fish	"	5,599	18,391
Kegs, nail, etc.	"	1,355,586	840,896
Kegs, n.s.	—	—	487,131
Kettles, electric	No.	342,290	2,145,479
Kitchen equipment for hotels, cafeterias, etc.	—	—	5,060,015
Kitchenware, aluminum, including pressure cookers	—	—	6,263,153
Kitchenware and ovenware, glass, (included with "Glass, pressed and blown")	—	—	6,720,999
Kitchenware, other (see also "Woodenware, kitchen")	—	—	1,506,947
Knitted fabrics:			
Cotton stockinette, including meatwrap	—	—	2,425,238
Cotton, not specified	—	—	8,220,410
Nylon and nylon mixtures	lb.	2,289,963	4,033,190
Rayon and rayon mixtures	"	3,243,316	1,882,994
Wool	—	—	806,444
Other	—	—	2,968,326
Knitted goods, miscellaneous:			
Infants' jackets, booties, etc.	—	—	220,958
Not specified	—	—	538,590
Knitting, custom	—	—	2,061,248
Knives, machine	—	—	1,791,909
Knives, bread	—	—	1,274,051
Labels, gummed paper	—	—	2,136,467
Labels, fabric	—	—	35,331
Lace, all kinds	—	—	1,278,323
Laces, corset	—	—	1,906
Laces, shoe, (silk, cotton, etc.)	—	—	8,502,159
Laces, shoe, leather	gal.	2,711,145	1
Lacquers	—	—	2,468,836
Lacrosse sticks	—	—	15,985,127
Lactose (see "Sugar of milk")	—	—	4,377,750
Ladders, step, extension, etc.	—	—	2,581,471
Lamps, incandescent, except therapeutic (bulbs)	—	—	—
Lamps, fluorescent (bulbs)	No.	30,939,849	—
Lamps, photo flash	—	—	2,986,292
Lamps, electric:			
Floor	—	—	4,607,032
Table	—	—	1,004,351
Other	—	—	243,956
Lamps, other	—	—	2,605,490
Lamp shades and wire frames	—	—	15,384,111
Lanterns, including railway, marine, etc.	lb.	101,630,001	1,720,599
Lard	—	—	1
Lasts, trees, and shoe findings, not specified	—	—	1,050,676
Latex compounds	—	—	21,260
Latex, foamed (included in "Rubber goods, sponge and soft")	—	—	4,300,496
Lathes, metal-working	—	—	—
Lathes, wood-working	—	—	—
Lath, metal	—	—	—

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Lath, gypsum	sq. ft.	372,261,631	11,168,044
Laths, wood	M.	145,629	1,538,249
Lead, naphthenate	—	—	1
Lead, refined (metal)	lb.	56,579,252	9,259,133
Lead, red	"	1,721,637	329,555
Lead, white, dry	—	—	1
Lead, white, ground in oil	lb.	946,564	182,468
Lead, sheet	"	4,818,263	1,052,360
Lead products, n.e.s.	"	1,851,052	593,320
Lead for pencils	—	—	151,056
Leather:			
Belting	—	—	240,266
Bag, case and strap	sq. ft.	2,435,447	1,052,196
Garment	"	6,478,187	1,802,142
Glove	—	—	3,370,449
Harness	lb.	584,848	345,317
Lace	"	163,007	271,536
Oil tanned, shoe pack	"	428,215	124,454
Sole:			
Bellies	"	1,651,338	541,037
Bends	"	8,737,971	5,237,657
Shoulders	"	2,716,650	1,229,462
Upholstering (included in "Leather not specified")	—	—	—
Upper leather:			
Calf skins	sq. ft.	9,601,863	6,280,598
Cattle and horse hides	"	59,519,609	19,999,161
Chrome splits	"	16,108,745	2,603,928
Goat skins	"	817,104	217,244
Sheep skins	"	199,176	49,416
Patent and enamelled shoe leather, (included in "Other upper leather, not specified")	—	—	—
Other, not specified	—	—	1,926,221
Leather splits, not specified	—	—	1,151,192
Leather, not specified	—	—	2,051,726
Leather, artificial	—	—	8,569,413
Leather goods, not specified	—	—	122,019
Lecithin	—	—	1
Lemon butter and cheese	—	—	1
Lenses, optical	No.	2,722,355	3,052,421
Lenses, optical, contact	—	—	1
Lenses for optical instruments	—	—	1
Life buoys, jackets, belts, etc.	—	—	425,675
Lighter fluid	—	—	686,360
Lighters, cigarette, and parts	—	—	1,036,224
Lighting equipment, n.e.s.	—	—	2,950,954
Lightning rods and supplies	—	—	333,763
Lignin	—	—	1
Lignosol	—	—	1
Lime, quick (including value of containers)*	—	—	16,462,331
Limestone (building and monument)	—	—	2,274,670
Line material (see "Hardware, pole-line")	—	—	—
Linings, brake, asbestos	—	—	4,119,879
Linings, glove and shoe	—	—	852,730
Linings, n.e.s.	—	—	1,958,816
Linoleum (see Floor covering)	—	—	—
Liquors, acid	—	—	175,298
Litharge	lb.	11,374,154	2,634,621
Locomotives, standard, steam*	No.	42	4,151,744
Locomotives, diesel-electric, new*	—	446	74,068,418
Locomotives and car parts n.e.s.	—	—	23,095,280
Log ends for pulping	cord	3,445	50,163
Looms, weaving	—	—	1
Lubricating systems, automobile and other	—	—	971,120
Lumber, matched	M ft. b.m.	202,673	20,441,350
Lumber, planed	"	1,559,859	119,653,854
Lumber, sawn*	"	7,744,731	539,652,385
Lumber, not specified*	—	—	2,793,313
Lye	—	—	1
Macaroni and spaghetti, canned	lb.	35,810,354	4,291,332
Macaroni, vermicelli, spaghetti, etc. dry	"	91,293,936	11,241,180
Machinery:			
Accounting machines (see also "Machinery, office")	—	—	1
Adding and other calculating (see also "Machinery, office")	No.	19,836	4,472,199
Bakers', mixing	"	681	552,824
Bakers', not elsewhere specified	—	—	204,215
Boring (metal-working)	—	—	430,887
Canning and parts	—	—	1
Cleaning and pressing (included in "Laundry, cleaning and pressing")	—	—	—
Coal handling and coal pulverizing	—	—	218,849
Concrete and cement making	—	—	6,292,381
Construction	—	—	2,266,438
Conveying and elevating (except passenger and freight elevators) and parts	—	—	20,142,071
Dairy, including milking machines	—	—	2,992,223
Excavating, dredging, loading, etc.	—	—	5,202,660
Flour and grist mill, n.e.s.	—	—	456,121
Grain grinding, rolling, etc.	—	—	544,951
Grain loaders and elevators	—	—	3,194,795
Hoisting, except mine hoists	—	—	14,806,185
Kitchen and other household	—	—	2,917,280
Laundry, cleaning and pressing	—	—	1,978,534
Logging	—	—	1,252,753

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Machinery—Concluded:			
Lumber and shingle drying	—	—	1,720,641
Metal-working, n.e.s.	—	—	123,230
Milking (included in "Machinery dairy")	—	—	
Mining and metallurgical, n.e.s. and parts	—	—	15,802,732
Office, n.e.s. (See also "Accounting, adding and calculating machinery")	—	—	14,957,356
Oil refining	—	—	798,357
Plastics	—	—	13,417
Printing	—	—	696,958
Pulp and paper	—	—	30,188,668
Road and excavating	—	—	3,700,033
Rolling mill	—	—	1,164,307
Rubber mill	—	—	1,629,183
Saw and planing mill	—	—	4,889,573
Sewing	—	—	1
Ships' and fittings	—	—	4,878,114
Stone working	—	—	166,105
Textile, n.e.s.	—	—	348,757
Transmission	—	—	2,646,601
Vulcanizing	—	—	1
Washing machines:			
Electric	No.	297,553	32,605,137
Other power	—	—	945,758
Parts and accessories	—	—	14,553
Water softener equipment	—	—	1
Well drilling	—	—	1
Wood-working, n.e.s.	—	—	1,648,521
Wrapping and packaging	—	—	1,209,584
Other, not specified	—	—	22,861,181
Machinery parts, not specified	—	—	1,944,651
Magnesium products	—	—	1
Malt, made for sale	—	—	1
Malt, caramel	—	—	1
Malt flour	—	—	89,312
Malt extract and syrup	—	—	820,786
Malt coomings and sprouts	—	—	1
Manganese naphthenate	—	—	1
Mantles, lamp and stove	—	—	1
Manure spreaders and loaders	No.	4,736	1,646,924
Maple products	—	—	957,381
Maps	—	—	1,353,609
Marble chips and dust	—	—	1
Marble monuments	—	—	608,645
Marble for building purposes	—	—	712,361
Margarine and margarine substitute	lb.	124,121,091	29,912,431
Marine and fishermen's supplies	—	—	263,594
Marmalades	lb.	20,339,843	3,562,974
Match splints and match blocks	—	—	1,899,606
Matchers, wood-working	—	—	172,437
Matches	—	—	5,972,733
Mats and matting, rubber	—	—	4,284,918
Mattresses, including air and sponge	—	—	23,392,231
Meal, cereal grass	ton	56,136	3,410,636
Meal, coconut oilcake	—	—	1
Meal, corn	ton	5,606	614,850
Meal, fish	"	85,868	11,100,500
Meal, linseed oilcake	"	57,803	4,395,915
Meal, meat, hoof, lung, liver, etc.	lb.	59,686,448	2,589,475
Meal, rapeseed oil cake	ton	3,827	179,522
Meal, rice	—	—	1
Meal, rye	ton	762	48,376
Meal, sunflower oilcake	—	—	1
Meal, soybean oilcake	ton	185,424	12,334,010
Meats:			
Meats, fresh and frozen	lb.	1,414,333,517	450,939,025
Poultry, fresh and frozen	"	57,344,394	27,492,999
Horse meat, fresh and frozen	"	55,400	2,390
Meats, cured and smoked	"	254,454,220	125,150,571
Meats cooked, including sausage, weiners, etc.	"	280,362,298	99,223,177
Meats canned:			
Beef	"	10,837,333	4,458,866
Pork	"	38,990,280	20,772,482
Poultry	"	3,390,776	2,966,387
Miscellaneous	"	20,313,926	6,536,389
Meat scrap, cracklings, etc.	"	35,033,238	1,635,987
Medicines and pharmaceuticals (see also "Antibiotics", "Penicillin", "Streptomycin", "Vitamins", etc.):			
Registered as patent medicines	—	—	20,636,147
Ethical specialties for human use, n.e.s.	—	—	39,030,248
Oral antiseptics	—	—	780,197
All other human medicines	—	—	11,625,372
Metal products, not specified	—	—	4,712,037
Meters, gasoline	—	—	1
Meters, parking	—	—	603,689
Meters, water	—	—	1
Meters, other and meter parts	—	—	466,920
Methyl isobutyl carbinol	—	—	1
Methyl isobutyl ketone	—	—	1
Methyl hydrate, crude and refined	—	—	1
Mica products	—	—	1
Milk, sold in dairy factories	gal.	185,407,088	134,688,373

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Milk, transferred to other branches of the firm.....	gal.	9,835,519	3,346,175
Milk, buttermilk, sold.....	—	—	1,452,886
Milk, buttermilk, condensed.....	—	—	1
Milk, condensed.....	lb.	16,173,908	2,199,323
Milk, evaporated.....	—	304,099,144	35,309,543
Milk, skim.....	—	—	3,531,812
Milk, skim, condensed.....	lb.	4,196,572	377,679
Milk, skim, evaporated.....	—	10,465,352	630,652
Milk products, not specified.....	—	25,847,916	3,382,526
Milk drinks, (see "Food drinks").....	—	—	—
Milling cutters.....	—	—	1,273,637
Mince meat.....	lb.	6,831,808	1,240,217
Miner timbers, props, wedges, etc.....	—	—	1,704,513
Mirrors.....	—	—	5,368,235
Modelling clay.....	—	—	1
Molasses.....	ton	40,752	967,744
Monuments, lettered only.....	—	—	696,970
Monuments, (see Granite", "Limestone" and "Marble").....	—	—	—
Monuments, artificial stone, bases, etc.....	—	—	160,697
Mops, dish.....	doz.	74,810	117,906
Mops, floor:	—	—	—
Cellulose.....	—	16,894	215,046
Wet.....	—	243,583	1,886,457
Dry.....	—	152,214	1,390,067
Mops, not elsewhere specified.....	—	—	121,571
Mou parts.....	—	—	64,975
Morticians' goods.....	—	—	590,743
Mortisers (wood working).....	—	—	1
Motor driven appliances and equipment.....	—	—	1,170,016
Motors, electric, A.C. and D.C. (except starting motors).....	—	—	54,168,611
Motors, other, and parts.....	—	—	5,728,907
Moulders, wood-working.....	No.	61	127,437
Mouldings.....	—	—	13,933,501
Moulds and dies.....	—	—	2,085,547
Moulds, n.e.s.....	—	—	118,168
Moulds and stools, ingot.....	—	—	1
Mounting (trade work).....	—	—	621,537
Mowers, hay (horse and tractor).....	No.	14,739	3,497,691
Mowers, lawn.....	—	140,037	5,782,062
Mucilage.....	—	—	163,226
Muffs, fur.....	No.	743	22,922
Muff beds.....	doz.	410	18,695
Munitions and other war supplies.....	—	—	56,322,672
Muriate of potash.....	ton	2,535	141,353
Musac, printed.....	—	—	160,881
Musical boxes, powder and other.....	No.	14,000	43,834
Musical instruments and parts, n.e.s.....	—	—	113,681
Mustard, dry.....	lb.	229,452	70,980
Mustard, prepared.....	—	—	1,832,633
Mustard compound.....	lb.	134,118	33,144
Nails, aluminum.....	—	—	208,595
Nails, brass and copper:	—	—	—
Quantity made.....	lb.	194,329	—
Quantity shipped.....	—	185,652	123,103
Nails and spikes cut from plate:	—	—	—
Quantity made.....	keg.	13,394	—
Quantity shipped.....	—	17,568	305,755
Nails, tacks and brads, wire:	—	—	—
Quantity made.....	—	1,852,107	—
Quantity shipped.....	—	1,723,717	16,564,285
Nails, horseshoe.....	—	—	1
N-nthalene.....	—	—	—
Naphtha V.M. and P. or solvent*.....	—	—	5,130,694
Napkins, paper.....	M.	2,763,901	3,108,610
Napkins and silk.....	—	—	7,985,286
Napkins, sanitary.....	—	—	7,776,013
Neckties.....	doz.	954,408	335,934
Neckwear, women's.....	—	—	1,066,170
Neckpieces, fur.....	No.	7,802	1
Needles, knitting machine.....	—	—	54,445
Needles, knitting, other.....	—	—	1
Nets, laundry.....	—	—	—
Nickel-silver, n.e.s.....	lb.	673,759	560,852
Night dresses:	—	—	—
Cotton and flannelette.....	doz.	156,503	2,375,364
Nylon.....	—	61,233	1,655,729
Rayon and silk.....	—	61,224	1,424,713
Night dresses, knitted and other n.e.s.....	—	30,351	939,723
Night-shirts.....	—	2,019	49,641
Nitrobenzol.....	—	—	1
Nitrogen.....	—	—	506,550
Nitrous oxide.....	—	—	331,705
Non-ferrous alloys, n.e.s.....	—	—	394,431
Novelties, plastic.....	—	—	900,734
Novelties, printed.....	—	—	1,812,649
Novelties, other.....	—	—	1,033,516
Nuts, roasted, salted, etc. (see also "Peanuts, roasted, salted").....	lb.	3,864,802	3,354,141
Nylon fabric (see "Silk and synthetic fabrics" and "Knitted fabrics").....	—	—	—
Oars and paddles.....	—	—	211,884
Oats, rolled.....	ton	43,243	7,444,965
Oatmeal.....	—	3,961	508,416

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Offal, not specified	ton	62, 371	1, 874, 345
Oil burners and parts	—	—	13, 862, 970
Oilcloth, other than floor	—	—	1
Oil, aniline	—	—	1
Oil, coccanut, crude and processed	lb.	26, 959, 901	3, 737, 998
Oil, core	—	—	920, 288
Oil, corn, crude	—	—	1
Oil, corn, refined	—	—	1
Oil, cotton seed	lb.	8, 178, 881	1, 791, 457
Oil, creosote	—	—	2, 661, 493
Oil, fish (industrial)*	gal.	4, 725, 958	4, 347, 000
Oil, fish (Vitamin)*	M/u's	2, 760, 888	199, 500
Oil, fish, not specified*	—	—	1, 798, 734
Oil, fuel:			
Aviation turbine*	Imp. gal.	140, 455, 606	22, 052, 192
Diesel*	—	738, 959, 373	106, 647, 993
Heavy fuel oil:			
For own use	—	239, 737, 934	19, 336, 959
For sale	—	1, 474, 752, 924	126, 282, 629
Light fuel oil:			
For own use	—	431, 602	54, 941
For sale	—	1, 347, 892, 813	195, 624, 740
Tractor*	—	13, 835, 652	1, 784, 227
Oil, fusel, (sold)	—	41, 828	21, 277
Oil, industrial, n.e.s.	—	3, 719, 586	2, 283, 099
Oil, lard	lb.	1, 363, 606	235, 909
Oil, light n.e.s.	gal.	6, 777, 876	1, 655, 761
Oil, linseed, boiled	—	392, 996	669, 791
Oil, linseed, raw	—	3, 782, 936	4, 859, 130
Oil, linseed, special	—	2, 808, 327	4, 293, 329
Oil, lubricating*	—	—	63, 082, 386
Oil, neatsfoot	lb.	820, 057	143, 400
Oil, oleo	—	—	1
Oil, palm and palm kernel	—	—	1
Oil, peanut	—	—	927, 898
Oil, rapeseed	—	—	1
Oil, soybean	lb.	83, 654, 876	11, 894, 992
Oil, stand blown, enamel, etc.	—	—	—
Oil, stove*	gal.	390, 980, 953	64, 846, 862
Oil, sulphonated, textile oils and other textile chemicals	lb.	4, 991, 442	597, 317
Oil, sunflower seed	—	3, 738, 423	660, 772
Oil, vegetable, n.e.s.	—	53, 052, 717	9, 676, 796
Oils, other not specified	—	—	2, 221, 117
Oleo stock	lb.	3, 213, 328	393, 033
Olives, bottled, etc.	gal.	961, 602	4, 179, 193
Optical equipment n.e.s.	—	—	1
Organs, electronic	—	—	1
Organs, other, and parts	—	—	1, 372, 739
Ornaments, not specified	—	—	539, 468
Ovens, domestic, electric (built in)	No.	1, 882	241, 534
Ovens, commercial, cooking	—	282	488, 307
Ovens, industrial, electric	—	—	710, 135
Overalls (see also "Smocks, etc."):			
Bib:			
Men's and youths'	doz.	84, 811	3, 226, 006
Boys'	—	10, 299	204, 732
Coveralls:			
Men's and youths'	—	67, 809	3, 440, 877
Boys'	—	1, 103	18, 378
Dungarees and waist band:			
Men's and youths'	—	262, 745	7, 528, 212
Boys'	—	243, 130	5, 029, 152
Overall coats (jumpers only):			
Men's and youths'	—	13, 417	465, 155
Other, n.e.s.	—	—	1, 812
Smocks, dusters and shop coats (men's and youths')	doz.	38, 353	1, 751, 042
Children's, all kinds	—	301, 494	3, 532, 205
Not specified	—	3, 068	97, 906
Oxygen	—	—	9, 657, 871
Packaging equipment	—	—	1, 148, 678
Packing, asbestos	—	—	979, 931
Packing, rubber	lb.	1, 967, 853	339, 773
Packing, not specified	—	—	563, 875
Pads, electric, heating	—	—	27, 547
Pads, couch	No.	2, 690	252, 474
Pads, ironing	—	—	1, 424, 735
Pads, shoulder	—	—	64, 135
Pads, stamp	—	—	33, 612
Pads, sweat	—	—	1, 822, 888
Pads and padding n.s.	—	—	1
Pails, paper	—	—	193, 619
Pails, tin	—	—	1, 085, 405
Painting equipment, n.s.	—	—	377, 743
Paint varnish and enamel removers	gal.	149, 749	126, 688
Paints, cement	—	46, 307	—
Paints and enamels, water-thinned:			
Latex base emulsion paints	—	2, 460, 110	9, 810, 333
Resin and other bases emulsion paints (paste and semi paste)	—	421, 068	1, 345, 108

* 1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Paints and enamels, water-thinned - Concluded:			
Casein and other protein bound, glue bound:			
Dry	lb.	1,245,743	165,667
Paste and semi paste	gal.	27,826	63,675
Plastic texture, paste and dry	lb.	271,230	33,453
Calcimines	"	461,858	38,829
Lime and cement bound	"	1,741,535	245,854
Other water-thinned paints	—	—	78,799
Paints and enamels, ready mixed	gal.	20,133,867	81,701,108
Paints, paste (not including water-paste paints)	lb.	2,570,561	632,963
Paints, semi-paste (not including water-thinned type)	gal.	18,856	65,272
Paints and enamels, other (see also "Enamels" and "Lacquers")	—	—	399,158
Pallets (skids)	No.	710,525	1,938,645
Pants, breeches, etc:			
Breeches:			
Men's and youths':			
Cotton	—	—	¹
Wool and wool mixtures	doz.	5,310	343,058
Boys':			
Wool and wool mixtures	"	4,856	122,074
Pants and slacks, fine, separate, dress and sport:			
Men's and youths':			
Cotton or chiefly cotton	No.	230,889	770,443
Rayon	"	716,316	3,082,884
Rayon mixtures, chiefly rayon	"	763,294	3,026,814
Wool	"	965,607	9,231,173
Wool mixtures, chiefly wool	"	606,927	3,751,053
Boys':			
Cotton or chiefly cotton	"	329,151	678,132
Rayon	"	424,496	1,263,480
Rayon mixtures, chiefly rayon	"	499,834	1,317,921
Wool	"	91,010	379,682
Wool mixtures, chiefly wool	"	657,816	1,617,107
Pants, soccer, hockey, etc.	pr.	25,796	167,522
Pants, uniform, separate:			
Men's and youths':			
Military	No.	365,237	2,267,021
Non-military	"	94,643	1,214,006
Pants, work:			
Men's and youths':			
Cotton	doz.	254,750	8,539,633
Wool and wool mixtures	"	33,143	1,917,540
Not specified	"	7,995	355,610
Boys':			
Cotton	"	38,796	859,641
Wool and wool mixtures	"	10,657	309,157
Pants, baby (plastic, rubber, etc.)	"	495,132	1,652,031
Pants, rubberized and oiled	"	1,620	65,920
Pants, not specified	—	—	495,673
Paper:			
Adding machine and cash register	—	—	766,132
Asbestos	—	—	635,263
Blotting, clay coated and enamelled	—	—	¹
Blue print and photostat	—	—	4,078,626
Book (basic)	short ton	109,207	26,372,210
Box cover, coloured	lb.	2,702,483	778,935
Writing pads, tablets, etc.	—	—	1,883,379
Building and roofing paper:			
Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	2,748,412	19,316,711
Mineral surfaced rag and asbestos felt roll roofings	"	719,427	2,472,442
Smooth surfaced rag and asbestos felt roll roofings	"	1,042,962	2,564,486
Roll type rag and asbestos felt siding	"	215,605	802,773
Tar and asphalt saturated rag and asbestos felts, not coated	ton	62,372	6,090,408
Tar and asphalt saturated and/or coated sheathings	"	18,793	2,545,139
Other felts and sheathings	"	1,219	216,458
Insulated siding	—	—	¹
Building papers, n.s. (basic)	—	—	7,525,065
Carbon	—	—	3,325,870
Cigarette tubes and paper	—	—	1,362,010
Coated and other paper n.e.s.	—	—	10,938,077
Corrugated (paper and wrappers)	—	—	1,558,499
Creped or crinkled	lb.	1,552,913	503,722
Fine (basic)	short ton	112,227	37,469,948
Fine, miscellaneous (basic)	"	23,664	7,209,679
Foolscap	lb.	931,245	188,047
Friction or flint glazed	—	—	¹
Gummed (in sheets)	—	—	¹
Special, industrial	short ton	7,038	1,988,891
Lining, pan, shelf, etc.	—	—	567,441
Parchment, vegetable	ton	4,076	2,391,971
Paper napkins and doilies (see "Napkins" and "Doilies")	—	—	—
Newsprint paper (basic):			
In sheets, for printing	short ton	68,136	9,468,762
In rolls for printing	"	6,191,342	704,395,440
Side runs, for pulping	"	26,756	1,775,910
Counter rolls	"	450	51,880
Other	—	—	22,080,711
Printing and specialty paper, ground wood	short ton	88,492	14,006,453
Safety paper, for cheques, etc.	—	—	1,467,035

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Paper — Concluded:			
Sanitary (basic)	short ton	37,613	10,376,603
Tissue, converted	"	3,073	1,010,354
Tissue, other than sanitary, (basic stock)	"	10,629	4,008,024
Toilet, converted	case	2,198,971	17,316,442
Towels, paper (see "Towels")			
Typewriter	—	—	560,962
Vinylite, uncoated	—	—	1
Wall paper	—	—	1
Waterproofed, other than waxed, n.e.s.	—	—	1
Waxed paper:			
Bread wrappers	lb.	30,315,244	7,484,152
Other, plain and printed	—	—	10,427,296
Wrapping paper (basic stock):			
Unbleached sulphate kraft No. 1 and 2	short ton	220,463	42,883,452
Bleached sulphate or sulphite	"	29,380	8,932,796
Unbleached and semi-bleached sulphite and sulphate	"	3,231	867,398
Miscellaneous furnishes	"	8,936	1,910,638
Wrapping, special	—	—	3,203,473
Paper, miscellaneous, n.e.s. (converted)	—	—	208,540
Paper goods	—	—	1,093,388
Paper board:			
Box board (basic stock)	ton	366,405	54,874,230
Container board:			
Container chip (basic stock)	"	9,254	1,054,908
Corrugating board (basic stock)	"	154,199	19,675,924
Liners (basic stock)	"	320,016	43,258,967
Aluminum foil laminated with paper or board	"	4,922	5,986,943
Mounting board, photo, etc.	—	—	1
Clay coated and enamelled	lb.	6,359,027	1,215,397
Coated, other, not specified	—	—	2,355,899
Special food board	—	—	1,914,831
Wallboard, paper, n.e.s.	sq. ft.	2,040,838	235,867
All other board and paper n.s.	—	—	1,506,724
Papeteries (stationery in boxes) (see also "Paper-writing pads, tablets, etc.")	—	—	773,581
Parachutes and parachute equipment	—	—	387,313
Parafilm	—	—	1
Paraldehyde	—	—	1
Partitions, office	—	—	2,384,460
Paste, adhesive	—	—	509,211
Paste, meat and chicken	lb.	4,583,374	2,080,612
Paste, flavouring	"	272,758	81,706
Paste, tooth (see "Dentifrices")	—	—	1
Patterns and models, foundry and other, wood and metal	—	—	3,762,604
Patterns, paper	—	—	1,430,236
Peanut butter	lb.	28,540,300	8,504,498
Peanuts, roasted and salted (for sale) (see also "Nuts, salted etc.")	"	23,354,472	7,752,557
Pearls, artificial and simulated	—	—	837,479
Peavies, cant hooks and pike poles	—	—	561,477
Pectin	—	—	1
Pencils, non-mechanical	gr.	684,640	3,094,744
Pencils, mechanical	doz.	108,402	480,149
Pencil parts	—	—	11,768
Penicillin (included in "Antibiotics")	—	—	2,956,332
Penicillin preparations	—	—	1,076,195
Penicillin-streptomycin preparations	—	—	197,054
Pennants	—	—	2,874,609
Pens, ball point (including liquid lead pencils)	doz.	1,107,485	3,078,991
Pens, fountain	"	203,631	1,073,023
Pens, fountain, ball point and other, parts (including ball point replacements)	—	—	1
Pentaerythritol	—	—	1
Pentastol acetate	—	—	1
Perchloroethylene	—	—	1
Percolators, electric (see "Coffee-makers, electric")	—	—	1
Perfumes	—	—	1,432,563
Periodicals, printed by publishers:			
Newspapers, daily:			
Gross revenue from advertising	—	—	142,609,552
Subscriptions and sales	—	—	45,148,123
Newspapers, weekly and other:			
Gross revenue from advertising	—	—	33,819,897
Subscriptions and sales	—	—	12,669,803
Magazines:			
Gross revenue from advertising	—	—	17,953,023
Subscriptions and sales	—	—	6,578,398
Other publications:			
Gross revenue from advertising	—	—	45,714,836
Subscriptions and sales	—	—	13,441,728
Petrochemical feed stocks*	—	—	1
Phenol	—	—	1
Phenacetin	—	—	1
Phonographs, electrically operated included with "Record players, electrically operated")	—	—	1
Phosphorus	—	—	1
Phosphorus sesquisulphide	—	—	1
Photo-engraving (trade work)	—	—	12,782,943
Photographic materials, n.e.s. (including photo paper)	—	—	1
Photography (Commercial)	—	—	753,607
Phthalic anhydride	—	—	1

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Pianos:			
Grand	No.	94	110,330
Upright	"	6,468	2,481,501
Piano strings and other parts	—	—	887,000
Pickets, wood*	—	—	75,633
Pickles, relishes and sauces (see also "Tomato Catsup")	gal.	7,672,548	15,878,787
Picrite	—	—	748,656
Pictures, framed	—	—	842,049
Picture and mirror frames, etc.	—	—	76,534,971
Pies, cakes and pastry (see also "Puddings, cakes, etc., canned")	—	—	1,785,501
Pies, meat	—	—	—
Pillow cases (included in "Sheets and pillow cases, cotton").	—	—	—
Pillow cotton (included in "Cotton fabrics, broad woven").	—	—	—
Pillows	—	—	1,670,123
Pins, plain, hair and including bobby pins	—	—	1,135,102
Pipe, asbestos cement	—	—	—
Pipe, culvert, sheet metal	ton	57,783	19,187,964
Pipe, sewer, clay	—	—	3,569,445
Pipe, sewer, drain and culvert, cement	ton	831,883	18,761,442
Pipe, lead	—	1,566	764,570
Pipe, plastic	—	—	2,459,099
Pipe, steel, rivetted and welded	ton	420,297	83,663,039
Pipe, wooden	—	—	—
Pipe and fittings, brass, bronze and copper	ton	394	456,062
Pipe and fittings, cast iron, soil	"	72,740	14,294,008
Pipe and fittings, cast iron, water	"	134,269	17,901,659
Pipe and fittings, cast iron, other	"	9,912	4,366,019
Pipe and fittings, malleable iron	"	8,004	6,024,029
Pipe and fittings, steel, n.e.s.	"	38,039	15,900,263
Pipe and fittings, n.e.s.	—	—	2,978,384
Pipe and tubing, copper	—	—	—
Pipes and elbows, stove and furnace	—	—	3,228,317
Pipes, tobacco	doz.	5,943	61,007
Pipes, tobacco (parts and accessories)	—	—	27,965
Piston rings, automobile	No.	24,258,337	3,408,163
Pistons, automobile, and piston ring expanders	—	—	1,628,310
Pitch	ton	134,195	5,657,044
Planers, wood-working	No.	159	462,360
Planing, custom	—	—	7,311,190
Planters, corn	No.	1,352	218,472
Plasticizers (included in "Accelerators").	—	—	—
Plastics, primary (see "Resins, synthetic").	—	—	—
Plate and tank work, steel, miscellaneous	—	—	14,218,413
Plate, black, not specified	ton	34,572	5,043,503
Plates, sheets and strips, brass, copper, etc.	—	—	22,910,482
Plates, all kinds including boiler and other sheared plates	ton	319,666	36,936,168
Plates, metal, licence, name, etc.	—	—	1,866,112
Plates and frames, addressograph	M.	37,990	451,079
Plates, forks and spoons, paper	"	73,015	401,821
Platinum, refined, and other platinum products	—	—	454,922
Play ground, track and field equipment	—	—	131,188
Play yards	—	—	145,598
Ploughs, agricultural:			
Disc	No.	1,417	623,875
Harrow ploughs, one-way discs, tiller combines	"	4,392	2,678,895
Mouldboard	"	16,782	2,500,378
Walking	"	155	6,339
Other	"	1,224	156,905
Ploughs, snow (included in "Snow removal equipment").	—	—	—
Plugs, wooden	—	—	416,792
Plumbers' supplies, not elsewhere specified (Brass, copper, etc.)	—	—	17,867,599
Plywood*	M. sq. ft.	1,305,033	98,282,713
Poison, gopher and rat	—	—	241,944
Polish, furniture	—	—	1,217,696
Polish, metal	—	—	311,727
Polish, shoe	—	—	1,129,082
Polish, stove	—	—	53,614
Polishes and waxes, floor	—	—	13,974,898
Polishes and dressings, automobile	—	—	849,449
Polishes and dressings, n.s.	—	—	446,568
Polishers, floor, electric and other	—	—	6,859,489
Polishing mitts and cloths	—	—	48,697
Popcorn including popcorn confectionery	lb.	4,320,689	2,186,264
Post cards, printed	—	—	956,513
Posts, steel, fence	ton	5,991	836,873
Post hole diggers	—	—	—
Potassium chlorate	—	—	—
Potato chips, (factory made)	lb.	20,937,584	12,569,120
Potato pickers and diggers	—	—	90,985
Pot holders and oven mitts	—	—	64,101
Pot scourers	—	—	1,994,164
Pottery, glazed and unglazed	—	—	610,614
Pottery from imported clay	—	—	35,000
Poultry (see "Meats").	—	—	—
Powder, baking	lb.	9,737,180	2,776,861
Powder, buttermilk	"	8,926,670	636,926
Powder, custard	"	470,724	153,181
Powder, egg	"	1,061,902	1,718,339
Powder, food drink	"	2,964,944	1,460,418
Powder, ice cream	"	742,086	295,738

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
Powder, jelly	lb.	17,783,624	5,702,762
Powder, whole milk	"	26,176,979	8,135,921
Powder, malted milk	"	—	1
Powder, skim milk	lb.	80,358,119	9,208,191
Powder, pudding and pie filling	"	21,350,466	7,405,456
Powders, soft drink	"	1,976,834	1,501,837
Powder, whey	"	11,020,014	626,546
Powder, edible, n.e.s.	"	1,040,918	538,239
Powder, bronze, iron and aluminum	"	—	1,228,758
Powder, talcum and face	"	—	4,060,602
Power units	"	—	1
Precious metal salts	"	—	1
Presses, tennis and badminton racquet	"	—	1
Presses, hydraulic, and other power	"	—	1
Pressure cookers (included under "Kitchenware, aluminum").	"	—	1,512,353
Printing, not elsewhere specified:			
Circular letters	—	—	3,287,074
General, for trade	—	—	1,123,373
Custom printing, (Paper supplied by customer)	—	—	4,128,515
Private and personal	—	—	3,383,434
Blue prints and photostats	—	—	570,019
Box covers, coloured	—	—	363,735
Periodicals printed for publishers	—	—	28,465,606
Other printed matter; menus, statements, bank notes, programmes, etc. (see also "Advertising matter")	—	—	17,688,295
Printing and painting on textile fabrics	—	—	2,237,841
Projectors	—	—	1
Propane (included in "Gases, liquefying petroleum").	—	—	—
Propellers and shafts	—	—	5,455,864
Publications, subscriptions and sales (see "Printing" and "Periodicals").	—	—	—
Puddings, cakes, etc., canned and other	lb.	685,879	307,701
Puffs, powder	—	—	299,435
Pulleys, wood and other	—	—	532,227
Pulp, flax	ton	861	435,076
Pulp, fruit (see "Fruit pulp").	—	—	—
Pulpstones, artificial	—	—	1
Pulpwood (produced in Sawmills)	cd.	253,018	9,789,332
Pulp chips	—	—	20,899,939
Pulp, wood:			
Ground wood:			
Quantity made	ton	5,723,002	—
Quantity shipped	"	346,130	23,542,880
Sulphate:			
Quantity made	"	1,596,658	—
Quantity shipped	"	1,011,103	130,575,967
Sulphite, bleached:			
Quantity made	"	1,075,319	—
Quantity shipped	"	961,827	145,574,903
Sulphite, unbleached:			
Quantity made	"	1,888,786	—
Quantity shipped	"	498,836	57,751,658
Screenings:			
Quantity made	"	95,443	—
Quantity shipped	"	31,110	929,724
Defibrated or exploded wood:			
Quantity made for use in producing mills	"	170,954	4,901,679
Other:			
Quantity made	"	183,582	—
Quantity shipped	"	65,247	8,443,549
Pumps:			
Centrifugal	No.	10,901	9,416,783
Cistern and pitcher	"	10,301	86,867
Deep well	"	1,201	294,473
Rotary	"	25,572	1,358,507
Sump	"	33,086	1,232,984
Vacuum	"	411	264,150
Steam	"	3,190	1,639,578
Other power pumps	"	3,698	2,406,899
Gasoline dispensing pumps	"	9,595	3,909,214
Hand pumps	"	29,002	252,992
Household water systems, deep well and shallow well	"	52,223	4,702,846
Pump jacks	"	2,497	92,047
Pumps and pump parts n.e.s.	"	—	4,178,121
Punching machines	No.	56	67,980
Purses, pocket-books and folders	"	—	2,189,878
Putty and fillers, n.e.s.	lb.	18,750,594	2,491,539
Pyjamas:			
Cotton and flannelette	doz.	532,591	10,753,244
Nylon	"	30,267	838,160
Rayon and rayon mixtures	"	31,694	697,152
Not specified	"	43,815	1,091,310
Prometers, thermocouples and accessories	"	—	1,537,519
Pyrotechnics	"	—	1,420,524
Quilted goods	yd.	4,645,279	2,441,964
Quilts, bedspreads, etc.,	doz.	22,991	862,365
Racquets, tennis, badminton	No.	40,571	214,140
Radar equipment (see "Radio communication equipment")	—	—	17,076,458
Radiators, automobile	—	—	7,819,803
Radiator and boiler compounds	—	—	119,138
Radiators, heating, concealed type	sq. ft.	1,019,241	626,073

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Radiators, heating, standing type	sq. ft.	3,524,888	2,315,899
Radiators and parts, heating, n.s.	—	—	8,141,095
Radio communication equipment	—	—	24,087,699
Radio sets, tubes and accessories	—	—	68,665,841
Rafters, roof trusses and beams, laminated	—	—	5,569,140
Rail anchors	—	—	1
Rails, iron or steel:			
Quantity made	ton	336,662	—
Quantity shipped	—	333,979	33,027,029
Rail frogs, switches and other track equipment	—	—	19,584,931
Railway car coach fittings, bearings, etc.	—	—	1
Rakes, hand	No.	331,094	377,002
Rayon fabrics (see "Silk and synthetic fabrics" and "Knitted fabrics")	—	—	1
Razor blades	—	—	1
Razors, safety, electric and other	—	—	1
Pecorders, time	—	—	1
Recorders, wire or tape	—	—	1
Records, phonograph	No.	14,340,505	6,518,438
Record players, electrically operated	—	188,674	5,999,291
Rectifiers for storage battery charging and parts	—	—	846,284
Reels for wire rope and hose	—	—	1
Refractories:			
Cement, high temperature	ton	7,563	827,004
Firebrick from domestic clay	M	4,258	430,922
Firebrick from imported clay	ton	20,168	1,230,752
Other	—	—	11,836,331
Refrigerators and refrigeration equipment, n.e.s.:			
Household, mechanical, complete, (electric and gas)	No.	269,213	47,443,340
Household, ice refrigerators, wood	—	—	102,370
Commercial, wood	—	—	278,518
Steel cabinets for mechanical refrigerators	No.	755	134,725
Fixtures:			
Display cases, normal temperature	"	2,739	2,187,743
Display cases, other	"	1,459	944,034
Low temperature refrigerators	"	817	675,436
Reach-ins, all sizes	"	1,080	475,740
Walk-in coolers	"	675	778,849
Refrigerator parts	—	—	1,937,788
Refrigeration equipment n.e.s.	—	—	10,575,621
Regalia, n.e.s.	—	—	2,353,155
Registers, cash	—	—	—
Registers and grills, air	—	—	2,488,077
Regulators, (temperature, flow and pressure) and control valves	—	—	2,435,984
Remedies, stock and poultry	—	—	3,131,568
Rennet	—	—	1
Repair gums and fabrics	lb.	897,113	744,710
Repair kits	No.	1,033,844	379,454
Repair patches, tire and tube	—	—	1,456,693
Resin film and resin film products	lb.	3,433,008	3,095,742
Ribbons	—	—	3,218,478
Rice, cleaned, etc.	—	—	1
Rifles and shot guns (see "Firearms")	—	—	—
Rings, fruit jar, rubber	lb.	953,249	548,682
Rings, fruit jar, zinc	—	—	1
Rockwool (see "Wool, mineral")	—	—	1
Rods, copper wire	—	—	—
Rods, iron and steel wire:			
Quantity made	ton	403,834	—
Quantity shipped	"	403,602	42,565,418
Roll covering, rubber	lb.	744,996	1,548,767
Rollers, land and land packers	—	—	256,083
Rollers, printers'	—	—	956,999
Rolls, rubber covered	No.	365,705	986,545
Rolls, bending and straightening	—	—	1
Roof drainage equipment	—	—	3,485,330
Roof deck (metal)	—	—	3,795,909
Roofing and siding, aluminum, steel, etc.	—	—	9,514,389
Roofing preparations, n.e.s.	—	—	815,854
Rope:			
Manilla	lb.	7,075,627	2,814,485
Sisal	"	—	1,286,914
Jute and hemp	"	4,686,072	125,274
All other	"	229,979	462,192
Rubber, reclaimed, dispersions and other	—	305,496	1
Rubber and rubber goods, hard	—	—	278,659
Rubber coverings, linings, etc.	lb.	1,402,852	3,436,192
Rubber goods, moulded	"	6,696,637	2,833,947
Rubber goods, plumbers'	—	—	2,670,227
Rubber goods, sanitary, n.e.s.	doz.	455,267	143,983
Rubber goods, soft and sponge (including foamed latex)	—	—	10,535,763
Rubber automotive and aeroplane parts	lb.	8,944,893	4,726,106
Rubber and rubber goods, n.e.s.	—	—	2,005,173
Rubber master batches and mixes	—	—	1
Rubber thread	—	—	1,649,552
Rubber, synthetic	lb.	271,802,643	63,325,060
Rugs, automobile	No.	57,469	265,421
Rules, plastic	—	—	52,535
Rules, wooden	—	—	307,422
Ruling (printing plants)	—	—	751,349
Runners and centres, table, etc.	—	—	42,742

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Rust preventatives and reinovers	—	—	655,629
Saddles	No.	1,628	68,255
Saddle parts	—	—	9,198
Safes, vaults and fittings	—	—	3,356,420
Sails	No.	514	95,664
Salt*	—	—	14,007,188
Salt, curing	—	—	1
Sanders (woodworking)	—	—	141,622
Sandstone (building)	—	—	130,644
Sandwich relish and spread (see also "Paste, meat and chicken")	lb.	4,452,110	1,350,481
Sanitary ware	—	—	21,375,203
Sash, doors and other mill work	—	—	75,278,018
Sash, aluminum, brass, etc., (included in "Windows, complete, aluminum and other")	—	—	1
Sash balances, metal	—	—	1
Sauces, catsups and relishes (see "Tomato catsup", "Pickles, relishes, etc.")	—	—	8,557,316
Sausage casings	—	—	772,023
Sausage (see "Meats cooked, and sausage")	—	—	306,084
Sawdust and waste, sold	—	—	15,187,300
Sawing, lumber, custom	—	—	3,933,495
Saws, all kinds	—	—	3,014,069
Saw parts and saw benches	No.	68,225	3,211,688
Scales	doz.	363,275	168,944
Scarves	—	—	3,519,697
School supplies, not specified	—	—	1
Scientific equipment, not specified	—	—	2,046,618
Scrap, aluminum	—	—	2,413,527
Scrap, brass, bronze and copper	—	—	1,568,668
Screenings, barley, etc.	bus.	2,659,624	1
Screens, window	—	—	227,749
Screens, industrial	—	—	22,258,139
Screens, projection	—	—	9,613
Screens, n.e.s.	—	—	453,234
Screws and screw machine products	No.	374	1,523,012
Scufflers	—	—	458,957
Scythes and snaths	—	—	3,358,098
Seals	—	—	5,145,522
Searchlights, floodlights, etc. (see "Fixtures, lighting")	—	—	580,429
Seasonings, dry and liquid	—	—	11,655,580
Seed boxes for one-way discs, etc.	No.	2,303	1
Shades, window, shade cloth and fittings:	—	—	69,353
Ordinary shades and blinds	—	—	129,955
Venetian blinds, all kinds, including strips	—	—	53,622,416
Shade cloth, rollers, etc.	—	—	269,176
Shakes, processed and stained (building purposes)	square	1,102,786	7,754,961
Shapers, metal-working	—	—	250,615
Shapers, wood-working	—	—	11,548,105
Sharpeners, pencil	—	—	1
Sharpening stones and files	—	—	1
Shawls	doz.	3,530	1
Shearing machines, metal working	No.	260	59,353
Sheet forms, commercial, etc., printed	—	—	129,955
Sheeting, cotton (included in "Cotton fabrics broad woven")	—	—	53,622,416
Sheets, crib	—	—	269,176
Sheets and pillow cases, cotton	—	—	7,754,961
Sheets and sheeting, plastic, rubber and waterproofed	—	—	250,615
Sheet metal building materials, n.e.s.	—	—	11,548,105
Sheets, aluminum	—	—	1
Sheets and strips, silicon	—	—	1
Sheets, hoops, strips, skelp (iron and steel, rolled and drawn) and tin plate, galvanized	—	—	222,160,914
Sheets, etc.	—	—	1
Shellac, bleached	—	—	249,928
Shields, dress	doz. pr.	82,474	192,548
Shims, railroad and other	—	—	98,356
Shingle bands	M	9,087	1
Shingles, asbestos	—	—	19,539,869
Shingles, wooden	square	2,030,067	156,897,005
Shipbuilding and repairs	—	—	20,167,462
Shirts, fine, men's, youths' and boys':	—	—	2,490,049
Cotton	doz.	714,053	594,252
Silk, rayon and nylon	"	71,546	1
Not specified	"	14,346	1
Shirts for formal wear	—	—	6,905,971
Shirts, work, men's, youths' and boys':	doz.	312,869	906,613
Cotton	"	17,675	18,087,433
Wool and wool mixtures	"	647,272	7,504,832
Shirts, sport, men's, youths' and boys'	"	802,447	1,270,068
Shirts, T-Shirts	"	77,699	1,547,068
Shirts, sweat, jerseys, etc.	"	93,782	3,410,787
Shirts, not specified	No.	1,964,229	1
Shock absorbers, automobile	—	—	127,509
Shoddy, mungo and wool extract (see "Wool or part wool, reworked or reprocessed")	—	—	254,689
Shoe materials, pyroxylin coated (included in "Fabrics, coated and impregnated")	—	—	7,031,218
Shoe trimmings	pr.	96,194	1
Shoe uppers and tops	M. ft. b.m.	62,211	21,858,118
Shoeks, box	—	—	15,801,361
Shortening	—	—	18,801,315
Containing animal fat and marine oil	lb.	98,635,470	208,620
Wholly vegetable	"	64,859,472	1,532,176
Shorts and middlings	ton	395,480	1
Shovels, hand	—	—	1
Shovels, power	—	—	1

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Shuttlecocks, badminton	—	—	1
Signal systems (traffic, fire alarms, etc.)	—	—	2, 590, 465
Signs, electric:			
Neon and other luminous tube:			
Shipments (sold outright)	—	—	4, 920, 386
" (leased or rented)	—	—	3, 780, 418
Other electric:			
Shipments (sold outright)	—	—	1, 026, 877
" (leased or rented)	—	—	44, 313
Signs, non-electric:			
Metal (sold outright)	—	—	3, 437, 646
Screen processed, other than metal (sold outright)	—	—	1, 089, 146
Other non-electric:			
Shipments (sold outright)	—	—	2, 281, 567
" (leased or rented)	—	—	335, 392
Silicon carbide, crude	ton	80, 467	10, 430, 549
Silicon manganese, silico spiegel, etc. (Included in "Ferro-alloys")			
Silk and synthetic fabrics, broadwoven:			
All silk and mixtures containing silk	yd.	1, 055, 458	1, 101, 989
All continuous filament synthetic yarn:			
Rayon (see also "Knitted fabrics")	"	43, 080, 796	22, 793, 051
Nylon (see also "Knitted fabrics")	"	6, 009, 434	3, 795, 368
Other	"	3, 429, 566	2, 448, 200
All spun rayon	"	19, 636, 003	13, 045, 011
Mixtures of continuous filament rayon and spun rayon	"	6, 934, 627	5, 870, 282
Mixtures of continuous filament rayon and cotton	"	6, 479, 755	4, 714, 403
Mixtures of spun rayon and cotton	"	1, 305, 516	1, 070, 194
Mixtures of rayon and wool	"	213, 658	294, 425
Other synthetic mixtures	"	8, 616, 525	9, 156, 184
Silos	—	—	1
Silver alloys	—	—	906, 749
Silver, fine	—	—	1, 188, 718
Silver, sterling, melted, rolled, etc.	—	—	2, 605, 583
Size	—	—	1, 956, 730
Skates, ice	pr.	1, 794, 480	2, 622, 252
Skates, roller	"	44, 350	130, 795
Skate equipment	—	—	2, 796
Skewers	—	—	1
Skis, including water skis	pr.	76, 785	311, 701
Ski poles and fittings	—	—	220, 798
Skins, calf	No.	705, 948	3, 054, 734
Skins, sheep	—	—	1, 872, 475
Skins, pickled	No.	421, 119	534, 341
Skins, dressed (excluding raw)	—	—	1, 933, 331
Skips and cages (mining and metallurgical)	—	—	492, 869
Skirts:			
Cotton	No.	1, 760, 875	4, 710, 432
Rayon	"	637, 903	1, 968, 853
Rayon mixtures	"	738, 295	2, 457, 258
Woolen	"	2, 073, 397	11, 513, 661
Other	"	230, 283	1, 012, 115
Slabs and edgings	cord	544, 840	2, 290, 431
Sleighs, baby	No.	6, 647	24, 599
Sleighs, children's	"	202, 336	351, 776
Sleighs, horse-drawn, etc. (see also "Vehicles, farm sleighs, etc.)	"	237	15, 558
Slicers, meat and bread	—	—	1
Slippers: (see also "Footwear, felt"):			
Babies'	pr.	200, 124	186, 248
Boys'	"	125, 429	199, 855
Children's including little gents'	"	304, 436	396, 437
Men's	"	1, 006, 679	2, 258, 903
Misses'	"	174, 800	271, 924
Women's and growing girls'	"	1, 269, 701	2, 539, 737
Youths'	"	47, 427	71, 036
Slippers, Indian:			
Babies'	"	3, 016	5, 054
Boys'	"	62, 430	80, 100
Children's, including little gents'	"	265, 486	254, 580
Men's	"	226, 250	460, 365
Misses'	"	478, 878	500, 563
Women's and growing girls'	"	1, 903, 786	2, 109, 987
Youths'	"	4, 587	7, 251
Slippers, not specified	—	410, 800	534, 235
Smelter and refinery products ¹	—	—	1, 396, 565, 178
Snocks, women's and misses'	doz.	10, 203	257, 996
Smoke breaching	—	—	238, 707
Smoker sets and smokers' supplies, n.e.s.	—	—	711, 876
Smokestacks, steel	—	—	341, 542
Snaths, scythe	—	—	1
Snow shoes	—	—	1
Snowmobiles and parts	—	—	790, 281
Snow removal equipment	—	—	1, 965, 747
Soap:			
Castile	lb.	840, 553	216, 803
Household and laundry (bars)	"	16, 704, 372	2, 791, 022
Household and laundry (Chips and flakes)	"	20, 913, 000	3, 589, 618
Liquid, not specified	—	—	1, 719, 540
Powder	lb.	52, 112, 380	10, 712, 482
Soft	"	2, 945, 444	329, 995

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Soap — Concluded			
Textile and mill	lb.	499,773	57,822
Toilet (bars and liquid)	"	42,809,653	12,774,672
Shaving, including shaving creams	"	1,553,279	2,238,827
Hand soap and pastes, mechanics'	"	3,234,398	580,397
Soap, not specified	"	—	576,018
Soap stock	lb.	6,981,166	152,871
Sodium azide	—	—	1
Sodium benzoate	—	—	1
Sodium carbonate	—	—	1
Sodium carboxymethyl cellulose	—	—	1
Sodium chlorate	—	—	1
Sodium cyanide	—	—	1
Sodium hydroxide	ton	177,674	10,802,699
Sodium hydrosulphide	—	—	1
Sodium hypochlorite	—	—	1
Sodium metabisulphite	—	—	1
Sodium metasilicate	—	—	1
Sodium phosphate, monosodium, disodium trisodium and tetrasodium	—	—	1
Sodium pyrophosphate	—	—	1
Sodium silicate	—	—	1
Sodium sulphate and sulphite	—	—	1
Sodium sulphamethazin	—	—	1
Sodium thiosulphite	—	—	1
Sodium tripolyphosphate	—	—	1
Solder	lb.	12,936,583	6,086,370
Soling, rubber:			
Rubber and composition soles	pr.	5,825,858	2,024,143
Soling and slabs for heels, rubber and composition	lb.	12,116,558	4,267,358
Soles, tap and other, leather	pr.	3,932,979	2,025,497
Soles, felt and other (insoles)	—	—	1,025,090
Soup, canned (excluding infants' soups)	lb.	231,240,402	42,077,767
Soup	"	8,984,650	7,361,174
Soup filler or cracker meal	"	2,123,994	190,897
Spades and shovels	No.	1,043,202	2,044,742
Spark plugs	"	29,143,118	8,212,172
Spectacles, complete	pr.	138,170	1,133,189
Speed reducer units	No.	22	3,808,282
Spice compound	lb.	415,374	198,679
Spices, mixed, whole or ground	"	4,478,399	3,479,050
Spikes, railway	ton	18,817	3,235,704
Spikes, other	—	—	944,520
Spinning, custom	—	—	3,901,793
Spinnings, metal, etc.	—	—	44,651
Spirits, produced during the year but placed in bond for maturing:			
Neutral spirits, grain	pf. gal.	22,404,304	15,037,481
Neutral spirits, molasses	"	978,012	498,639
Neutral spirits, other	"	16,921	45,251
Spirits, beverage, sold outside the Distilling Industry:			
Whiskey, Highland type	"	141,194	1,172,234
Whiskey, rye type	"	11,196,990	91,162,550
Whiskey, other types	"	16,019	113,574
Gin	"	1,273,952	7,571,008
Brandy	"	40,567	378,331
Rum	"	549,048	4,036,722
Other beverage spirits	"	515,623	2,641,934
Sponges, cellulose	—	—	1
Spools, bobbins and shuttles	—	—	1,284,774
Sport gloves and mitts	—	—	1,375,410
Sporting goods, not specified	—	—	695,715
Spraying and dusting machines and equipment, including hand sprayers	—	—	918,390
Springs, automobile, chassis	—	—	9,755,283
Springs, bed:			
Box	No.	225,841	5,206,378
Coil	"	7,803	59,643
Cable	"	103,966	639,895
Link	"	71,637	858,637
Slat	"	207,831	2,111,726
Bed, n.e.s.	"	114,325	485,885
Springs (upholstering and constructions for automobiles and trucks)	—	—	10,073,116
Springs, upholstering, other	—	—	3,942,596
Springs, for cars and locomotives	—	—	1,303,282
Springs, n.e.s.	—	—	3,343,529
Squares, hardwood, etc.	—	—	1,516,206
Stabilizers, ice cream, etc.	lb.	87,204	49,942
Stains	gal.	320,136	943,332
Stampings, metal, n.e.s.	—	—	13,674,389
Stamps, postage, revenue, etc.	—	—	1,281,335
Stamps, rubber	—	—	1,535,156
Stamps, not specified	—	—	158,491
Staples, wire	kegs	27,315	283,315
Starch, corn, edible	—	—	1
Starch, corn, laundry	—	—	1
Starch and flour, potato	ton	2,874	356,833
Starch, blended	—	—	1
Starch, n.e.s.	—	—	1,454,467
Stationery goods, not specified	—	—	1,097,324
Statues, art goods and church supplies	—	—	1,260,991
Staves, barrel	—	—	1,246,734
Steam	—	—	977,938

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
Steam traps, etc.	—	—	2,383,227
Stearine	lb.	1,291,529	133,841
Steel erected (structural work):			
Bridges	ton	60,484	26,716,083
Buildings	—	328,568	107,544,211
Transmission towers	—	16,644	6,029,153
Other	—	47,858	16,428,037
Steel shapes, structural (angles, channels, tees, etc.):			
Quantity made	—	317,033	—
Quantity shipped	—	316,597	38,912,267
Steel and alloy steel ingots:			
Quantity made	—	5,180,421	—
Quantity shipped	—	47,940	3,436,571
Steel, miscellaneous	—	—	19,480,624
Steel wool	—	—	650,068
Stellite	—	—	1
Steepwater	—	—	1
Stencils	—	—	337,727
Stockinette (see "Knitted Fabrics").			
Stokers, mechanical	No.	1,330	1,374,315
Stoker parts	—	—	708,651
Stone, artificial	—	—	4,843,000
Store fixtures, n.e.s.	—	—	260,877
Stoves, heating and cooking:			
Coal, wood and sawdust	No.	72,737	3,292,795
Solid fuel or oil with electric or gas combination	—	19,498	4,034,746
Electric stoves or ranges, all styles	—	217,159	33,225,480
Electric rangeets	—	36,756	1,358,324
Gasoline, fuel oil, or kerosene stoves or ranges, (cooking)	—	99,487	2,495,433
Gasoline, fuel oil or kerosene stoves or space-heaters (heating)	—	73,032	3,485,671
Gas stoves and ranges (cooking)	—	35,991	4,137,097
Gas stoves (heating)	—	4,247	263,444
Gas cooking plates, no oven	—	4,228	46,479
Other stoves and parts including cafeteria, restaurant, etc.	—	—	2,745,445
Stove pipes (see "Pipes and elbows, stove")			
Straps, leather	doz.	85,462	243,851
Straws, drinking	M	822,865	395,478
Streptomycin (included in "Antibiotics").			
Styrene	—	—	1
Sugar butter	lb.	3,580,346	679,884
Sugar granulated:			
Beet	—	262,840,368	22,829,033
Cane	—	1,074,375,012	81,509,065
Sugar, brown or yellow	—	130,985,453	9,637,235
Sugar, icing (starch added)	—	73,465,890	6,469,343
Sugar, invert	—	10,444,377	774,635
Sugar, loaf	—	13,296,719	1,399,247
Sugar of milk	—	393,111	69,027
Sugar, pulverized (no starch added)	—	7,505,076	626,358
Suits: (see also "Clothing, suits, sport").			
Boys':			
Rayon	No.	94,359	972,263
Rayon and wool, chiefly rayon	—	58,215	696,379
Rayon and wool, chiefly wool	—	27,586	309,438
Wool	—	12,070	181,539
Other	—	5,719	51,028
Children's:			
Cotton	—	45,027	250,785
Rayon and mixtures	—	32,930	194,317
Wool and partly wool	—	24,294	244,910
Playsuits and wash suits, n.s.	doz.	126,118	1,907,636
Men's and youths':			
Rayon	No.	157,921	3,019,457
Rayon and wool, chiefly rayon	—	208,393	4,147,649
Rayon and wool, chiefly wool	—	90,309	2,777,379
Wool	—	1,433,665	51,823,294
Not specified	—	4,435	48,932
Women's and misses':			
Cotton	—	3,667	23,172
Rayon and rayon mixtures	—	140,862	1,939,518
Wool and partly wool	—	523,408	11,690,466
Not specified	—	42,239	1,076,255
Suits and dresses, women's and children's knitted (see "Dresses, wool knitted").			
Suits, uniform:			
Men's and youths':			
Military	—	7,073	361,330
Non-military	—	96,402	3,189,982
Sulphonamide (sulpha) preparations	—	—	1,983,204
Sulphur	—	—	1
Sulphur dioxide, liquid	—	—	1
Superheaters	—	—	1
Superphosphate milled, screened and bagged	ton	16,541	601,785
Superphosphate, other (included in "Fertilizers, other than mixed").			
Surfactors, wood-working	—	—	1
Surgical and orthopaedic appliances and surgical dressings:			
Surgical bandages and dressings	—	—	5,294,958
Surgical belts	—	—	946,227
Surgical stockings, elastic	—	—	444,434
Orthopaedic boots	—	—	1
Orthopaedic corsets	pr.	16,068	109,869

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments \$
Surgical and orthopaedic appliances and surgical dressings—Concluded:			
Artificial limbs	No.	2,343	306,944
Foot easers, arch supports, knee caps, etc.	—	—	436,039
Trusses	—	—	185,101
Other surgical supports	—	—	807,776
Surgical instruments and orthopaedic appliances, not specified	—	—	190,903
Suspenders, supporters and garters	doz.	549,664	1,568,314
Swathers	No.	8,719	8,964,055
Sweaters, jackets, etc.	doz.	1,191,450	34,415,355
Sweeping compounds	—	—	887,622
Switch gear and protective equipment (except telephone switch-boards)	—	—	56,452,654
Synthetic and plastic products, n.e.s.	—	—	81,557,228
Syringes, fountain and attachments	doz.	15,345	121,216
Syrup, beverage	gal.	662,721	1,704,445
Syrup, corn	—	—	—
Syrup, fountain, fruit, etc.	—	—	679,707
Syrup, table	—	—	921,578
Syrups from cane, not including molasses	ton	8,532	1,494,377
Syrups for soft drinks (for sale)	gal.	4,781,829	9,656,858
Syrup making equipment (maple)	—	—	643,285
Syrups, other	—	—	68,515
Table cloths and napkins (fabric)	—	—	1,131,342
Table cloths, plastic	doz.	49,905	329,050
Tableware, plastic	—	—	1,738,484
Tableware, pottery	—	—	2,490,581
Tacks, cut, wire	—	—	810,534
Tags and labels, shipping	—	—	22,787,002
Tags and tickets, price	—	—	2,946,877
Tailors' supplies, n.e.s.	—	—	3,242,674
Tallow	—	—	11,072,271
Tank house products	lb.	37,204,390	1,526,376
Tankage, animal	ton	32,077	2,122,653
Tank jackets	—	—	269,842
Tanks, steel, storage, black, galvanized, etc.	—	—	21,984,107
Tanks, pressure, n.e.s.	—	—	6,079,665
Tanks, steel, pneumatic	—	—	733,268
Tanks, steel, septic	—	—	899,058
Tanks, other, not specified	—	—	10,805,262
Tape, adhesive	—	—	1,224,345
Tape, rubber and friction*	lb.	2,179,200	2,164,381
Tape, paper, gummed	—	—	4,893,241
Tape, pressure, sensitive	—	—	5,025,878
Tape, telegraph	—	—	838,836
Tapes, fabric	—	—	2,898,762
Tapes and rulers, measuring, steel, etc.	—	—	—
Tapestries and other upholstering fabrics	—	—	7,328,678
Tapioca	—	—	—
Tar, coal, crude	gal.	26,379,338	6,037,583
Tar, refined	“	3,816,392	809,979
Targets, aerial, etc.	—	—	—
Tea, blended, etc.	lb.	43,423,035	51,237,086
Telecommunication equipment, n.e.s.	—	—	8,659,195
Telephone material	—	—	70,724,710
Television receiving sets and equipment	—	—	95,594,782
Television picture tubes	—	—	—
Tenoners, wood-working	No.	81	108,146
Tents	—	—	2,721,654
Textile and leather specialties, n.e.s.	—	—	3,918,780
Thermometers, all kinds	No.	588,496	688,390
Thickeners, mining and metallurgical	—	—	—
Thinners, pyroxylin	gal.	2,610,925	3,495,526
Thiourea	—	—	—
Thread, cotton	—	—	10,926,579
Thread, rayon, silk, etc.	—	—	1,415,980
Threading machines	—	—	—
Threshers, and combine reaper-threshers and attachments	—	—	37,245,241
Ties, wooden	—	—	10,632,548
Tile, asphalt	sq. ft.	18,706,917	2,375,292
Tile, gypsum	—	—	—
Tile, haydite (included under "Building blocks, etc.").	—	—	—
Tile, plastic, not specified	sq. ft.	7,925,311	2,842,347
Tile, vinyl asbestos, floor	“	17,541,189	3,618,220
Tile from domestic clay:			
Drain	M	48,636	3,004,956
Floor	sq. ft.	238,817	98,280
Tile from imported clay:			
Floor	“	666,000	361,204
Wall	“	5,135,006	2,375,656
Tile, rubber	lb.	9,650,998	2,550,947
Tile, hollow blocks including fire-proofing and load-bearing tile	ton	206,348	3,863,522
Tile, not specified	—	—	2,014,411
Tile board, enamelled	—	—	—
Timers, interval	—	—	—
Tin alloys	—	—	—
Tin	lb.	88,394	92,824
Tin plate (included with "Sheets, strips, etc.")	—	—	—
Tinned plate scrap	ton	27,429	1,147,575
Tinsel	—	—	—
Tinware, japanned or not	—	—	1,285,510
Tire braids, auto	—	—	—

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Item	Unit of measure	Quantity	Value of factory shipments \$
Tire fabrics	lb.	32,407,511	27,391,147
Tires and tubes:			
Balloon, casings	No.	7,728,819	166,466,150
Balloon and high pressure inner tubes	"	3,307,878	8,714,882
Aeroplane tires	"	11,591	542,095
Aeroplane tubes	"	7,157	56,900
Bicycle tires	"	427,084	466,683
Bicycle tubes	"	502,093	280,760
Implement and tractor tires	"	231,359	7,308,001
Industrial tires	"	147,414	718,082
Motorcycle tires	No.	3,453	51,434
Other rubber tires, B.E.S.	"	—	316,804
Tires, railway car	"	—	1
Tissues, cleansing, paper	"	—	1
Toasters, electric	No.	374,461	3,554,357
Tobacco: ²			
Chewing, cut and twist	lb.	122,690	309,874
Chewing plug	"	919,754	2,314,186
Smoking, leaf	"	61,475	45,046
Smoking, cut	"	21,350,669	53,179,515
Smoking, plug	"	175,939	430,592
Snuff	"	825,446	2,135,685
Stems and cuttings	"	—	1,963
Tobacco, raw leaf, processed ¹	lb.	113,808,805	69,714,069
Tobacco curing equipment	"	—	401,505
Tobacco pouches	No.	61,072	26,834
Toboggans	"	183,497	612,986
Toilet preparations, n.e.s.:			
Bath salts and bath oils	—	—	818,983
Creams solid or liquid, all kinds	—	—	4,176,668
Home permanent wave kits	—	—	3,596,635
Rouge and lipsticks	—	—	3,146,062
Shampoos and hair rinses	—	—	4,919,323
Bay rum, hair tonics, brillantane liquid, etc.	—	—	6,008,511
Toilet water and lotions	—	—	6,428,717
All other	—	—	7,678,943
Toilet seats	—	—	1
Toiletware, sterling silver	—	—	225,523
Toiletware and dresserware	—	—	1
Toluene and toluol	—	—	753,181
Tomato catsup, canned	lb.	3,952,131	630,487
Tomato catsup, other	"	34,483,214	7,769,729
Tomato juice	"	128,907,934	11,127,000
Tomato paste and purée	"	1,557,600	340,115
Tomato pulp	"	4,587,443	484,416
Tools, carpenters' and mechanics' other than portable pneumatic and electric tools	—	—	4,918,165
Tools, machine, n.e.s.	—	—	5,696,996
Tools, small, cutting	—	—	4,900,842
Tools, n.e.s.	—	—	5,585,041
Toothpicks	—	—	1
Toppings for ice cream and cake	—	—	1,826,728
Towelling (included in "Cotton fabrics, broad woven").	—	—	—
Towels, all kinds	—	—	6,957,417
Towels, paper	—	—	4,579,842
Toys:			
Metal	—	—	2,672,269
Plastic, including wading pools	—	—	5,399,461
Rubber	—	—	268,628
Wooden	—	—	639,923
Miscellaneous, including model aeroplanes	—	—	2,811,026
Tractors	—	—	1
Trade work, n.e.s. (printing plant)	—	—	5,121,210
Trailers:			
Cabin or house type	No.	2,838	8,832,196
Commercial (except logging and van)	"	4,388	18,647,241
Logging	"	63	434,930
Not specified	—	—	186,257
Transfers, paper, decalcomania	—	—	1,942,622
Transfers, paper, dry	—	—	175,295
Transformers	—	—	66,544,868
Transformer parts	—	—	3,053,699
Transmission towers, electric (see "Steel erected").	—	—	—
Traps and fittings, lead	—	—	1,036,355
Traps, mouse and rat, etc.	—	—	1
Trays, food	—	—	787,814
Trichlorethylene, refined	—	—	1,847,398
Trimings, not specified	lb.	17,055,641	831,948
Trophies	—	—	677,398
Trucks, factory and other hand trucks	—	—	535,001
Trucks, other, including lift trucks	—	—	3,905,142
Trunks, all kinds	No.	132,594	1,288,825
Tubes, collapsible	—	—	1
Tubes, n.e.s.	—	—	559,682
Tubing, brass, bronze and aluminum	—	—	9,327,367
Tubing, plastic	—	—	703,079
Tubing, rubber	lb.	409,148	298,116
Tubing, steel	—	—	1
Tubing and twisting, knitted	—	—	955,281
Tubs, laundry, cement	No.	59,874	761,985

¹ Indicates that the commodity was reported by one or two concerns.² Includes excise duties and sales tax.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Turbines and water wheels	—	—	10,857,209
Turpentine	gal,	474,635	153,505
Twine and cordage:			
Baler twine, all sisal	lb.	39,261,720	5,305,374
Binder twine, all sisal	"	21,947,474	3,438,189
Other twine, all sisal	"	5,445,333	1,358,508
Other twine, all hemp and all flax	"	207,915	153,376
Other twine, all jute	"	1,775,749	565,998
Other twine and cordage, not specified	—	—	3,443,263
Type and type metal	—	—	2,613,598
Typesetting (trade composition)	—	—	7,887,156
Typewriters	No.	79,192	9,283,640
Typewriter and other machine ribbons	—	—	2,351,909
Umbrellas	doz.	37,957	1,049,552
Undertakers' supplies (see "Morticians' goods").			
Underwear, knitted, or of knitted fabrics:			
Men's and youths':			
Combinations:			
Cotton or chiefly cotton	"	224,875	5,423,640
Rayon or chiefly rayon	"	2,268	38,783
Wool or chiefly wool	"	34,273	1,754,708
Shirts:			
Cotton or chiefly cotton	"	560,247	3,818,129
Rayon or chiefly rayon	"	2,628	18,788
Wool or chiefly wool	"	19,476	556,609
Drawers:			
Cotton or chiefly cotton	"	171,596	2,244,272
Wool or chiefly wool	"	12,657	406,244
Shorts:			
Cotton or chiefly cotton	"	789,007	4,192,711
Other	"	6,745	77,496
Boys':			
Combinations:			
Cotton or chiefly cotton	"	73,518	1,158,663
Shirts:			
Cotton or chiefly cotton	"	147,277	594,885
Drawers:			
Cotton or chiefly cotton	"	67,114	504,571
Shorts:			
Cotton or chiefly cotton	"	214,795	772,728
Not specified	"	623	18,004
Women's and misses':			
Combinations:			
All kinds	"	32,620	154,577
Drawers:			
All kinds	"	2,016	35,681
Bloomers, panties, etc:			
Cotton or chiefly cotton	"	331,378	1,644,927
Nylon	"	206,285	1,309,737
Rayon or chiefly rayon	"	1,256,572	5,170,657
Wool or chiefly wool	"	13,131	232,693
Vests:			
Cotton or chiefly cotton	"	138,919	787,434
Rayon or chiefly rayon	"	17,793	131,883
Wool or chiefly wool	"	8,676	161,319
Other, n.e.s.	—	—	36,395
Girls':			
Combinations:			
Cotton or chiefly cotton	doz.	530	6,538
Bloomers, panties, etc:			
Cotton or chiefly cotton	"	136,227	546,122
Rayon or chiefly rayon	"	12,284	43,729
Wool or chiefly wool	"	690	7,897
Drawers:			
Cotton or chiefly cotton	"	1,043	6,553
Vests:			
Cotton or chiefly cotton	"	82,389	372,054
Not specified	"	1,664	12,673
Children's and infants':			
Combinations:			
Cotton or chiefly cotton	"	4,671	49,753
Not specified	"	10,408	267,803
Drawers, bloomers and panties:			
Cotton or chiefly cotton	"	564,469	1,581,902
Nylon or chiefly nylon	"	16,051	56,718
Rayon or chiefly rayon	"	291,871	865,413
Not specified	"	223	2,040
Vests:			
Cotton or chiefly cotton	"	313,489	1,389,946
Wool or chiefly wool	"	1,656	10,506
Underwear, woven fabrics:			
Men's and youths':			
Shorts:			
Rayon	"	14,667	171,583
Cotton	"	119,633	1,025,373
Other	"	537	5,820
Not specified	"	4,169	23,615
Women's and misses':			
Bloomers, panties, etc:			
Cotton or chiefly cotton	"	5,942	24,833
Rayon or chiefly rayon	"	11,782	50,695
Nylon or chiefly nylon	"	9,582	66,809

Alphabetical List of Commodities, 1956 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
\$			
Underwear, woven fabrics — Concluded:			
Children's:			
Bloomers, panties, etc:			
All kinds	doz.	26,581	99,086
Underwear, not specified:			
Children's	"	3,821	10,000
Men's and boys'	"	21,027	196,755
Women's and misses'	"	2,843	10,000
Not specified	—	—	427,921
Underslips:			
Rayon mixtures	doz.	269,301	5,390,038
Cotton	"	314,131	4,999,016
Nylon	"	343,033	6,982,404
Not specified	—	—	1,843,828
Uniforms, (nurses, maids, etc.)	—	—	3,041,369
Uniforms, military (see "Jackets", "Pants" and "Suits")	—	—	—
Uniforms, other (see also "Pants, uniforms" and "Suits, uniform")	—	—	387,475
Upholstering materials (cotton tufts) (see also "Tapestries")	—	—	—
Valves, brass and bronze	—	—	7,329,153
Valves, corporation, brass	—	—	1,538,551
Valves, iron	—	—	10,899,193
Valves, steel	—	—	4,782,386
Valves, tire	—	—	—
Valves, not specified	—	—	3,042,590
Varnishes	—	—	10,522,005
Vaults, burial, cement and other	No.	8,318	485,184
Vegetable salad	—	—	—
Vegetables canned:			
Asparagus	lb.	4,207,795	1,540,658
Beans, baked	"	101,636,012	12,503,099
Beans, green or wax	"	51,302,929	6,262,489
Beans, kidney	"	1,602,991	174,592
Beans, lima	"	1,875,939	275,700
Beets	"	14,222,908	1,524,119
Carrots	"	6,532,081	473,774
Carrots and peas	"	7,981,141	1,050,699
Corn, cream of, whole grain, etc.	"	69,371,897	8,525,484
Mushrooms	"	3,483,886	1,834,730
Peas	"	103,530,423	13,021,694
Pumpkin and squash	"	5,958,578	513,682
Spinach	"	1,433,701	175,224
Sauerkraut	"	8,004,593	790,320
Tomatoes	"	77,990,234	9,245,619
Vegetables, mixed	"	10,298,190	1,074,134
Vegetables, other	"	6,244,634	689,132
Vegetables, evaporated and dehydrated	"	2,894,115	271,261
Vegetables in brine	"	1,377,533	148,665
Vegetables, frozen or cold pack	"	32,589,384	5,938,102
Vegetables in SO ₂	—	—	—
Vegetable juices, canned	—	—	—
Vegetable peelers and slicers	—	—	—
Vehicles, children's:			
Tricycles	No.	178,187	1,757,047
Other	"	124,797	788,284
Parts	—	—	11,000
Vehicles (farm sleighs, wagons, trucks, etc) (see also "Sleighs" and "Wagons")	—	—	394,875
Veils and veiling	—	—	60,561
Veneer	—	—	25,380,833
Veneer logs	M ft. b.m.	8,272	1,300,906
Ventilators	—	—	1,811,444
Vermiculate	—	—	1,535,844
Vestments	—	—	749,075
Vests, woollen (outerwear)	No.	21,651	117,567
Vests, other (outerwear)	"	17,983	71,843
Vinegar made for own use	100 gal.	845,302	—
Vinegar made for sale:			
Spirit	"	8,855,089	3,142,655
Cider	"	702,798	325,570
Malt	"	315,780	160,865
Visors, sun	—	—	—
Vinyl acetate	—	—	—
Vinyl chloride monomer	—	—	—
Vitamin preparations	—	—	—
Vulcan iron	—	—	17,274,995
Waffle irons	—	—	—
Wagons (see also "Vehicles, farm sleighs, wagons and trucks")	No.	48,119	469,850
Wall board, asbestos cement	—	—	—
Wall board, gypsum	} see "Building boards"		
Wall board, paper			
Wall plaster, gypsum			
Wall plaster, other	ton	296,571	6,514,279
Wardrobes, wall board	—	3,706	522,928
Wash boards	No.	61,970	235,160
Washers, leather	—	—	44,070
Washers and gaskets, iron, steel, etc.	doz.	6,518,922	301,795
Washing compounds	—	—	5,101,330
Waste, cotton and wool	—	—	1,467,083
Waste, wood	—	—	4,589,710
Waste, other, not specified	—	—	627,128
Watches, assembled	—	—	4,555,967
Watch bracelets, cases, etc.	No.	1,078,437	10,321,800
	—	—	1,158,406

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Water, distilled	gal.	118,925	27,108
Water, mineral, natural	"	582,812	144,930
Waterproofing of fabrics	"	—	466,388
Wax, floor (see "Polishes and waxes")	—	—	—
Wax and wax compounds, all kinds	—	—	5,156,328
Wax, sealing	—	—	28,875
Waxers and wax applicators	—	—	74,393
Weatherstrip	—	—	2,333,850
Weaving, custom	—	—	2,706,613
Webbing, elastic	—	—	2,486,380
Webbing, other	—	—	1,122,261
Weeders	No.	1,577	314,143
Weed killer, formulations	—	—	2,110,759
Welding apparatus, arc	—	—	5,305,586
Welding apparatus, gas and other	—	—	1,183,666
Welding compounds and fluxes	—	—	8,797
Welding electrodes	—	—	6,822,870
Welting	—	—	1,213,244
Wet machine boards	ton	8,389	1,580,699
Wheelbarrows and parts	—	—	970,639
Wheels, automobile	—	—	1
Wheels, railway car	ton	93,656	5,974,619
Wheels, not specified	—	—	536,821
Whey	lb.	6,232,339	226,269
Whips	—	—	1
Whiskies (see "Spirits")	—	—	—
Whisks	doz.	34,151	133,906
Windows, complete, aluminum and other	—	—	28,520,364
Window sash, aluminum, etc.	—	—	209,380
Wine cocktails	—	—	1
Wine sold during the year	gal.	5,036,719	12,986,111
Wine produced and placed in storage for maturing	"	5,473,876	3,295,930
Wine spirit	—	—	1
Wiping cloths and rags, washed and sterilized	lb.	12,754,134	3,456,953
Wiping cloths and rags, other	—	—	1,904,391
Wire, brass and copper	—	—	1
Wire, gold filled and alloys	—	—	663,305
Wire, steel:			
Barbed:			
Quantity made	ton	6,671	—
Quantity shipped	"	6,849	1,168,052
Cold rolled flat, all sizes:			
Quantity made	"	2,214	—
Quantity shipped	"	1,322	432,290
Galvanized:			
Quantity made	"	73,154	—
Quantity shipped	"	38,929	8,717,868
Plain:			
Quantity made	"	369,049	—
Quantity shipped	"	147,367	26,176,412
Strand, twisted:			
Quantity shipped	"	7,982	3,038,952
Other, coated:			
Quantity made	"	2,121	—
Quantity shipped	"	2,154	673,724
Wire and cable, electrical	—	—	186,518,927
Wire rope and cable, n.e.s.	—	—	17,894,147
Wire cloth, all metals, including screen cloth	—	—	14,925,546
Wire mesh, steel woven or welded	ton	27,215	5,375,670
Wire netting	"	1,067	362,555
Wire and wire goods, n.e.s.	—	—	9,833,858
Wiring devices, not elsewhere specified	—	—	16,318,790
Wooden products, n.e.s.	—	—	4,044,072
Wood flour	ton	9,713	257,374
Woodenware, kitchen	—	—	229,590
Woodenware, not specified	—	—	838,793
Wood preservation	—	—	1
Wood preservatives	—	—	527,903
Wood turning, n.s.	—	—	2,229,506
Woodwork, sanitary	—	—	203,445
Wool, mineral (building)	—	—	10,953,421
Wool, mineral (industrial)	—	—	6,022,579
Wool pulled	lb.	1,976,635	1,591,558
Wool tops	—	—	1
Wool noils	—	—	1
Wool or part wool, reworked or reprocessed	lb.	10,782,991	3,123,244
Woollen cloth, woven:			
Suitsings, dress goods, overcoatings, etc.:			
All wool, woollen	sq. yd.	14,166,626	21,069,385
All wool, worsted	"	7,285,966	15,220,354
Woollen and worsted, mixed	"	409,480	630,286
Cotton warp, woollen	—	—	1
Other woollen and mixtures	sq. yd.	9,338,449	11,666,623
Woven terry goods (fabric)	—	—	1
Other woven fabrics, wool or not containing wool	—	—	524,635
Woven goods (not fabric)	—	—	65,515
Wrappers, waxed (see "Paper, waxed")	—	—	—
Wrappers, paper, other than waxed (see also "Boxes, paper, corrugated")	—	—	1,474,765
Wrappers, printed	—	—	6,372,495
Wringers, clothes	No.	195,440	2,011,031
Xyloil	gal.	941,882	306,217

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1956 - Concluded

Items	Unit of measure	Quantity	Value of factory shipments \$
Yarns, spun for sale:			
Cotton:			
Grey, knitting	lb.	15,961,893	12,488,995
Grey, other, singles	"	13,042,679	8,727,155
Grey, other, plied	"	11,856,469	8,577,167
Bleached, knitting	"	343,796	365,118
Bleached, other	"	295,486	295,060
Coloured, knitting	"	1,644,318	1,574,265
Coloured, other	"	1,471,471	1,355,318
Other, including mercerized	"	2,682,107	2,522,997
Cotton and wool mixed:			
Grey	"	295,821	310,366
Bleached and coloured	"	33,633	48,737
Rayon and nylon thrown	"	3,261,809	4,675,633
Rubber covered	"	—	1
Synthetic singles	lb.	42,647,384	46,497,693
Spun rayon and mixtures	"	10,699,556	7,848,493
Synthetic yarns, other	"	6,151,827	4,557,545
Woolen:			
Hand knitting	"	535,658	931,444
Machine knitting	"	3,146,063	4,543,700
Weaving	"	357,599	363,220
Carpet	"	2,490,164	3,156,211
Not specified	"	291,855	425,536
Woolen and mixtures	"	194,086	396,853
Worsted, oil spun:			
Hand knitting	"	1,472,258	4,788,733
Machine knitting	"	4,317,299	9,227,044
Weaving	"	379,621	775,585
Not specified	"	10,022	17,030
Worsted, dry spun:			
Knitting	"	1,647,230	3,802,754
Not specified	"	1,157,197	2,596,717
Yarns, not specified	"	—	4,382,131
Yeast, dry, bakers'	"	—	1
Yeast, dry, brewers'	lb.	2,353,935	241,279
Yeast, fresh (for sale)	"	—	1
Yeast, made for own use in breweries	lb.	2,978,322	—
Yeast food, bread improver, etc.	gal.	7,759,754	838,866
Yoghourt	gal.	82,040	242,031
Zinc, refined, zinc alloys, etc.	"	—	1,232,130
Zinc chloride	"	—	1
Zinc naphthenate	"	—	1
Zinc oxide and zinc dust	"	—	1
Manufactured food products, packaged only	lb.	12,436,269	2,463,313
Amount received by clothing contractors	"	—	19,605,852
Amount received for rental of signs	"	—	8,142,806
Inter-company transfers	"	—	18,055,125
All other products, not specified:			
Foods and beverages	"	—	21,023,190
Tobacco and tobacco products	"	—	27,788
Rubber products	"	—	2,445,045
Leather products	"	—	2,847,420
Textiles	"	—	3,295,975
Knitting mills	"	—	159,075
Clothing	"	—	2,253,525
Wood products	"	—	5,338,262
Paper products	"	—	2,076,287
Printing, publishing and allied industries	"	—	995,021
Iron and steel products	"	—	142,578,447
Transportation equipment	"	—	154,742,541
Non-ferrous metal products	"	—	22,383,083
Electrical apparatus and supplies	"	—	27,005,180
Non-metallic mineral products	"	—	10,967,651
Products of petroleum and coal	"	—	6,143,683
Chemicals and allied products	"	—	37,530,400
Miscellaneous manufacturing industries	"	—	3,398,493
Custom work and repairs:			
Foods and beverages	"	—	7,462,293
Tobacco and tobacco products	"	—	—
Rubber products	"	—	391,660
Leather products	"	—	1,124,325
Textiles	"	—	5,224,606
Knitting mills	"	—	—
Clothing	"	—	3,118,618
Wood products	"	—	16,823,530
Paper products	"	—	3,102,368
Printing, publishing and allied industries	"	—	—
Iron and steel products	"	—	84,008,397
Transportation equipment	"	—	131,667,091
Non-ferrous metal products	"	—	4,270,168
Electrical apparatus and supplies	"	—	12,125,719
Non-metallic mineral products	"	—	1,388,301
Products of petroleum and coal	"	—	118,580
Chemicals and allied products	"	—	874,501
Miscellaneous manufacturing industries	"	—	11,945,502
Products which were reported by only one or two firms and for which figures cannot be shown separately (see Commodities indicated by footnote 1)	"	—	762,719,248
Total value of products listed	"	—	22,165,115,675
Adjustments due to valuation of intermediate products, excise taxes, etc.	"	—	528,366,689
Total	"	—	21,636,748,986

¹ Indicates that the commodity was reported by one or two concerns.



GENERAL REVIEW
OF THE
MANUFACTURING INDUSTRIES OF CANADA
1957

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

GENERAL REVIEW
OF THE
MANUFACTURING INDUSTRIES OF CANADA
1957

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PREFACE

The present review of the manufacturing industries of Canada is based on the data obtained from the survey of manufactures made annually by the Industry and Merchandising Division of the Bureau. In addition to data on production, employment, salary and wage payments, consumption of materials, fuel and electricity, size of establishment and type of ownership the review also contains data on manufacturing compiled by other Divisions of the Bureau, such as weekly and hourly earnings, hours worked, capital investment, volume of production, etc. The main purpose of the review is to supply historical background of the principal factors involved in manufacturing production in Canada. Besides general analyses for Canada as a whole, data for each province, county or census division as well as cities and towns, are also given. A feature of the review is the "Alphabetical List of Products Manufactured in Canada" which gives Canada totals for about 3,000 individual commodities. As the basis of classification for the annual survey of manufactures is the "Industry" and not the "Commodity" the same commodity may, therefore, be produced by more than one industry. To obtain a total for each commodity its production in the different industries is summarized on a ledger card which is maintained for each commodity.

The general review of the manufacturing industries of Canada, as a separate report, dates back about thirty years and has been prepared since its inception under the direction of Mr. A. Cohen, Assistant Director of the Industry and Merchandising Division who wrote the text and prepared the analytical tables contained in the volume.

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November 1, 1959

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PART I. GENERAL ANALYSES OF MANUFACTURING

SECTION 1. GROWTH OF MANUFACTURING

Subsection 1. Definitions and Concepts Used in Compiling Manufacturing Statistics

The statistics compiled by the annual survey of manufactures given in the present report cover the number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, value of shipments, inventories and value added by manufacture. The concepts used in determining a manufacturing establishment and a short definition of each of the above principal statistics is outlined in the paragraphs following:

The Establishment.—There is general agreement that in most cases the smallest unit for which data can be obtained, and which is therefore classifiable to an industry, is the establishment. The establishment is thus an operating unit having an independent existence in the sense that it contains within itself all of the elements needed for the activities carried on. An establishment is also able to maintain records from which it can provide the principal statistics enumerated in the opening paragraph without arbitrary estimation. The main elements are on the input side, total employment measured either in terms of individuals or man-hours or man-days, materials and process supplies used, and fuel and electricity consumed; and on the output side, either production, shipments or sales or revenues received, whichever is appropriate.

Theoretically, an establishment would be engaged in only one kind of activity in one location, but in practice such an ideal establishment is rarely encountered. Thus the unit for which information is usually obtained in statistical surveys is engaged in a number of activities and sometimes these activities take place in different locations. For example, manufacturers of structural steel or tanks usually produce the parts in one location and may erect the structure (bridge or tank) hundreds of miles away from the fabricating plant, thus widening the area of employment not alone to other municipalities but to other provinces as well. This poses quite a problem in the compilation of employment and production statistics on a geographical basis. Where the number of employees engaged in erecting is small the total operation of the establishment is credited to a particular industry and geographically to the municipality where the plant is located. In the case of structural steel and bridge work where the number of employees engaged in erecting is large and where the period of employment on the site extends over a long period, an attempt is made to treat the total operation as two establishments, one being classified to the bridge and structural steel industry and the other to the construction industry. In such cases the employees engaged on the site are considered as employed in construction and not manufacturing.

Some firms are so organized that their activities extend over a number of stages in the production or fabrication of a product which may include extraction or processing of crude materials as well as the fabricating and finishing processes leading to the final product. For example, a gravel or sand pit may be combined with a plant making concrete products or a textile mill may handle processes extending from spinning to weaving, dyeing and finishing of textiles. In these cases, so long as sales of intermediate products do not predominate, the objective of the operation is the final product and a realistic value can be applied only at the point of sale of the final product. Thus, unless records are maintained permitting the isolation of separate establishments for different stages, the whole operation is classified to the industry indicated by the nature of the final product.

The above rule does not apply to manufacturing establishments which sell at wholesale or retail only goods of their own making and which are classed as manufacturers. Many bakeries and dairies are in this category. Theoretically a manufacturing bakery selling its own products should make two reports, one covering its manufacturing operations and the

second covering its merchandising activities. The first report should be classified to manufacturing and the second report to either retail or wholesale trade. In practice the records kept do not permit such a breakdown and in consequence a bakery is treated as a single reporting unit which includes all its operations, manufacturing as well as merchandising. On the other hand, metal mines operated in conjunction with smelting and refining are handled differently. In this case the two kinds of activity are separately classified, the mining operations being classified to mining and the smelting to manufacturing.

With a few exceptions, the annual census of manufactures attempts to cover only the manufacturing operations of an establishment. As mentioned previously few establishments carry on only manufacturing operations. In many cases manufacturers perform the functions of wholesalers in as much as they sell their products direct to retailers or industrial users and not through wholesalers. In some cases, in addition to distributing products of their own manufacture, they also sell products purchased for resale. For the large firms, at least, these two operations which according to the Standard Industrial Classification belong to different industrial classifications, are reported separately in the schedule and only the number of employees engaged in manufacturing as well as the materials and supplies used in manufacturing and the sale of the products actually manufactured by the establishment are credited to manufacturing. The employees engaged in trade or other activities of the establishment as well as the value of sales and cost of goods purchased for resale in the condition in which purchased are excluded from the compilations of manufacturing statistics. In the case of small establishments, however, where only minor quantities of purchased goods are sold, and where the same employees perform both manufacturing and merchandising operations, the establishment is treated as a single unit and all the operations are credited to manufacturing.

Frequently a problem arises whether an establishment is engaged primarily in manufacturing or in trade. The general rule for determining the principal activity of such an establishment is given in the introduction to the Revised DBS Standard Industrial Classification Manual where it is stated:

"In order to determine the principal activity, net values added by its different activities should be used. For example, in the case of manufacturing and trade activity, the data supplied by the establishment should be such that both the 'value added' in manufacturing and the 'gross mark-up' on the commodities purchased for resale can be calculated. 'Value added' consists of the difference between the value of products manufactured in a period and the value of the materials and fuel used in their manufacture. The 'gross mark-up' on purchased goods sold consists of the difference between the cost of such goods and their selling price. The establishment is assigned to one or another activity depending upon which of these is the greater.

On the other hand, for establishments whose activities are confined to one particular division of the classification, the principal activity is determined on the basis of the gross revenue obtained from the different products produced or handled, or services rendered."

At present an establishment engaged mainly in a non-manufacturing activity but which produces manufactured products as a subsidiary operation (for example a country general store which is classified in retail trade and which also produces stock and poultry feeds) is required to make an annual return covering its manufacturing production only. In this connection it is asked to report the number of employees, salaries and wages paid, materials and fuel and electricity used in connection with the manufacturing operations and the selling value of feeds shipped or sold. Many such mixed establishments

find it difficult to make an accurate return since estimates for number of employees, broken down into office employees and production workers, fuel and electricity used, etc., have to be made.

Ancillary Units.—Many establishments have ancillary units such as garages, warehouses, power plants, or units making containers or packaging materials which may be housed in the same building as the main establishment or may be separately located. In some cases these ancillary units may also sell part of their products or services to establishments outside their organization. When such an ancillary unit can provide the information required, it is considered to be a separate establishment and is assigned to the industry indicated by the principal activity. When the required records are not available, however, the ancillary unit is assigned along with the main establishment on the basis of the main establishment's principal activity. When an ancillary unit not maintaining the required records is located away from the main plant in another municipality or province an attempt is made to get a separate return on an estimated basis. In all cases where a separate report is required from an ancillary unit, such ancillary unit as well as the main plant are considered as having independent existence, the transfer of products or services from the ancillary unit is treated as a sale and the receipt by the main unit is considered as a purchase of materials or services from other manufacturers.

Head Offices and Regional Offices.—Some firms maintain a head office and in some cases regional offices as well which are separate from the operating establishments. In reporting for a head office, firms are required to report only the number of employees, salaries and wages paid, office supplies and fuel and electricity used. If a firm's records permit, and in most instances they do, the head office or regional offices are treated as separate establishments and are assigned to the industry indicated by the principal activity of the firm as a whole. Some firms straddle main industry divisions, where in addition to manufacturing operations, they also maintain a central selling outlet or several wholesale units in different localities. In such cases, the firm is not considered to be an integrated unit leading to the wholesale activity but is treated as a manufacturing firm, and the head office is assigned to the same industry classification as the manufacturing plant. Where such a firm operates several manufacturing establishments in different industrial classifications, the head office employees and the other items reported are apportioned to the various establishments, usually on the basis of products made or shipped. When a head office or regional office forms part of a particular plant of the firm such a head office is not considered to be a separate establishment but is included in total with the operations of the plant where it is located. In all cases the head office is assigned to the locality where it is situated. If a firm in the pulp and paper industry, for example, had a head office in Montreal and several operating plants in other localities, the head office employees are credited to the pulp and paper industry in Montreal, even though no pulp and paper plants of any kind are located there.

Valuation of Production or Shipments.—For the purpose of calculating "net value of production" or "value added by manufacture" correctly, it is essential that all manufacturers report the value of shipments or of products made on a standard basis, such as for example, on the basis of the price that they would have received from independent wholesalers for the products made or shipped during the year. In practice, however, standardization of selling values is impossible without resorting to difficult methods of estimation, since firms use different channels of distribution. Some firms sell direct to wholesalers while others sell direct to retailers or industrial users and in some cases even sell direct to householders or ultimate consumers. Firms distribute their products in a number of ways. Some ship through a central warehouse which is charged only with the cost of production, the selling outlet being credited with all the profits made. In other cases some of the profit is credited to the manufacturing operation. The value of an identical unit of product reported to the annual census of manufactures thus varies in accordance with the methods of

distribution used. To illustrate, let us assume that it costs one dollar to produce unit "A". Its value as reported could vary approximately as follows:

Shipped to a wholesaler	\$1.10
Shipped to a retail store	\$1.20
Shipped to an ultimate consumer	\$1.50-
Shipped to a central warehouse at cost of production	\$1.00
Shipped to a central warehouse where profits are apportioned between manufacturing and selling	\$1.15

The values of shipments or products made as published in the present report are not uniform; they are a composite of different selling values as illustrated in the foregoing paragraph.

Some difficulty has arisen in recording the shipments of multiple unit firms that ship products from various plants to a central warehouse, located apart from any manufacturing plant, where the selling function of the firm is performed. In such cases goods leaving a plant are considered as being shipments under our definition even though the ownership still remains with the reporting firm. Such firms are considered as performing two distinct functions—(a) manufacturing, and (b) distributing—and these two functions are treated statistically as if they were performed by two different organizations. In many cases no stock is held at the plant; consequently shipments and production reported on a plant basis are one and the same. We therefore are still getting production figures from firms that sell from a central warehouse. Where the manufactured products are billed to the warehouse, the firm is required to report the total of such billings during the year. In some cases, however, the production and distribution functions are treated in the accounting records as a unified operation with no billing of the warehouse for the products shipped to it. In such cases firms are instructed, if possible, to report the shipments on a cost of production basis, with a percentage mark-up for profits. The aim of the Division is to get companies to report their shipments on the same basis as if they were selling to an independent wholesaler.

Value Added by Manufacture.—Having received a return from all manufacturing establishments and the value of their products totalled, the question now is "What does this total mean?" The truth of the matter is that a total value of production for a group of industries or for all industries in a year has no significant meaning. To add the value of production of flour mills to that of the baking industry would give an inflated value of production since part of the flour which was sold to bakeries is valued twice, first as a product of flour mills and again in the value of bread. For example, if a flour mill produced \$1.00 worth of flour and sold it to a baker, the baker would use this dollar's worth of flour, and after further processing would sell it for \$2.14 according to the experience of the baking industry for 1954. According to the statistics obtained for that year, for every dollar's worth of materials used the products made were valued at \$2.14. When you add the production of these two establishments, you get a value of \$3.14. There is thus duplication where the products of one establishment become the raw materials of another establishment. However, in the present volume, the totals of gross value of production or shipments are shown as a matter of historical interest.

A more meaningful indicator had to be evolved to measure the importance and wealth created by an industry or group of industries. This was found in the concept "value added by manufacture". This figure is obtained by subtracting the cost of fuel and electricity as well as the cost of materials used from the gross value of the products, and represents the values added to the materials while they are in the factory.¹ Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication within the manufacturing sector, value added figures are therefore more representative of the total value of manufacturing production than are gross value of production figures.

The concept of "net value" is also most useful in evaluating the relative importance of different industries as creators of economic wealth. Usually the gross value of production is used in ranking industries but this has the defect of overstating the contribution of industries that use expensive materials on which they perform little processing. The following table ranks the fifteen leading industries in 1954 on the basis of "gross" and "net" value of production.

	Selling value of factory shipments		Value added by manufacture	
	Amount	Rank	Amount	Rank
	\$'000,000		\$'000,000	
Pulp and paper	1,241.6	1	641.1	1
Non-ferrous metal smelting and refining	922.6	2	352.0	2
Petroleum products	909.3	3	309.8	3
Slaughtering and meat packing	837.5	4	157.7	9
Motor vehicles	666.3	5	176.5	8
Sawmills	572.2	6	263.6	4
Butter and cheese	412.2	7	99.4	24
Primary iron and steel	383.2	8	217.5	5
Aircraft and parts	343.0	9	181.4	7
Miscellaneous food preparations	306.5	10	90.4	27
Railway rolling stock	283.4	11	116.7	18
Bread and other bakery products	280.2	12	139.9	14
Miscellaneous electrical apparatus and supplies	267.6	13	145.6	13
Rubber goods (including footwear)	264.2	14	149.0	10
Printing and publishing	256.7	15	182.9	6

On the basis of the various factors involved in determining an establishment, outlined in the preceding paragraphs, the definition of a manufacturing establishment may be summarized as follows:

The Establishments. — In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included, but plants occupied in assembling parts into complete units are included. Data for the annual census is collected on an establishment basis and in most cases a firm with more than one plant is required to file a report for each plant.

Period Covered. — Firms are asked to submit figures for the calendar year, if at all possible, and most report on that basis. Financial year reports, for periods differing from the calendar year, are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Employees. — Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category. The number reported is the average for the year.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages. — Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity. — Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases, unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc. When the rental paid includes heat and light, the value of fuel and electricity used is not reported.

Materials and Supplies Used. — Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others

or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments.—Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively

long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories.—Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Standard Industrial Classification.—The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped. Some of the three-digit industries are further broken down into smaller industries at a four-digit level. At this level there are 169 distinct industries for which principal statistics are given in Table 11.

Subsection 2. Recent Changes in Methods

Three important changes have been made during the past few years in the methods of collecting and compiling the returns of the annual survey of manufactures. First was the adoption in 1949 of the Standard Industrial Classification. This new classification superseded the classification formerly used by the Bureau, which was based on the nature of the materials used by manufacturing establishments.

For most purposes, a classification of manufacturing industries based upon "chief component material" has in the past proved most useful in Canadian industrial classification. The Bureau's classification based on this concept has been the one most widely adopted for general purposes, such as the decennial census, foreign trade, industrial statistics, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of such a group as "Textile Products" comprised partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, which form final products such as pig iron, lumber or processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such production becomes more and more complex. The modern automotive, aircraft, shipbuilding and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the completion of the final product. For this reason, the application of the component material classification became increasingly more difficult as Canadian manufacturing production developed and diversified.

In establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries, the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established. Some industries were broken down, such as the electrical apparatus and supplies which now comprises five industries—(a) batteries, (b) heavy electrical machinery, (c) radios, television sets and parts, (d) refrigerators, vacuum cleaners and appliances, and (e) miscellaneous electrical products. In some cases, establishments were transferred from one industry to another in order to bring them in line with the new industries which were established. Where an industry was eliminated, the establishments were transferred

to one or several industries, depending on the nature of the principal products manufactured. A check was also made of all establishments and many transfers were made where the major products of the establishment had changed materially during the years. By and large, little change was required for most industries, the only change being a transfer to the new major groups which were established.

In the Standard Classification adopted in 1949 the industries are now grouped into seventeen major groups listed in Table 11, instead of the nine groups listed in Table 13 which were formerly used as the main basis of classification. The grouping used in Table 11, where the statistics of individual industries are presented in detail, and in the historical series shown in Table 3 is, therefore, on the basis of the new Standard Industrial Classification. However, to retain some basis of continuity with the past, there is a less detailed analysis given in Table 13 on the component material classification basis, while Table 14 gives the industries on the basis of the origin of the materials used.

The second major change was the adoption of the short form in 1949, which goes a long way in relieving small manufacturers from the irksome duty of filling in complicated and detailed returns to the Bureau.

The growing complexity of modern economic life compels governments to obtain more and more data on which to base their economic policies and for the efficient discharge of their responsibilities in the ever-widening field of activity. To get this information is expensive and also throws a burden on industry in general, which of necessity must be called upon to furnish the desired data. Realizing this, and also the fact that the necessary information must be secured, the Bureau has been casting about for new statistical techniques which would lessen the burden on industry and also would, at the same time, secure substantially correct data for the use of the administrator. With manufacturing statistics, unfortunately, the sampling techniques are difficult to apply. Other methods, therefore, had to be adopted in order to lessen the burden of the smaller manufacturer at least and, at the same time, secure substantially correct results. It was found, for example, that in 1949 out of 35,792 manufacturing establishments, 21,060 with a value of production of \$50,000 or less, contributed only 2.6 p.c. of the total value of production. On the surface it looked obvious that the Bureau could exempt these 21,000 establishments from making annual returns and still obtain satisfactory results. This would be true if we were only interested in the total value of production or the total value of materials used. This, however, is not the case, as the users of the statistics are also interested in the details of the products made and the materials used. By a study of each industry it was

found that by exempting the smaller establishments in some industries, that for some commodities produced or materials used there would be a 50 p.c. loss of the total. Complete exemption was therefore out of the question. New methods had to be designed to relieve small establishments of the difficult task in furnishing information. A study was therefore made of each industry classification, of which there are about 200, and different cut-off points were determined for different industries. The general rule adopted was that wherever possible establishments with a value of production of less than \$50,000 per annum should only be required to furnish that one figure to the Bureau, and that on the basis of the information received from the smaller establishments in 1948, the last year for which they were required to furnish complete details, the Bureau would estimate for each small establishment individually the number of employees, salaries and wages paid, as well as the value of materials used. This is done in order to have a hollerith card for each establishment to use in the compilations on a geographical basis. In addition to the principal statistics, details of materials used and products made by the short-form firms are also made for each industry, by province. These estimates are based on the detailed statistics supplied by the small establishments in 1948. These estimates cannot be far out, as in most industries the percentage that these smaller establishments contribute to the total for the industry is only from 10 to 20 p.c. Where it was found that there would be a great loss in commodity data, instead of asking only for the gross value of production, the smaller firms were required to fill in a shorter form which lists the commodities in which there would be a substantial loss if no information was obtained from small firms. In other cases the cut-off point was reduced to \$25,000 or \$15,000.

An important change was made in the annual census of manufactures for 1952. A shipments concept instead of the value of production statistics heretofore compiled was adopted for a large number of industries where it was known that inventory changes from year to year were only of a minor nature. The concept was not changed for industries known to experience wide fluctuations in inventory holdings, pending further study for the need of both production and shipments information. By 1954 the shipments concept was implemented for almost all industries. Industries for which production statistics are still required are asked to report the detail of products made in physical quantities only and at the same time are required to report details of their shipments, giving both the quantity as well as the selling values at the plant. In a few industries such as sawmills, veneer and plywood, etc., production statistics only are still collected, the products made being valued on the basis of average selling prices during the current year.

The aim of the new Census of Industry schedule is to ease the burden of filling out Bureau questionnaires. The value of shipments concept for small and medium sized establishments is more realistic and more readily obtainable from the accounting records of firms, whereas the value of products made, for firms not recording such information, must be derived from special calculations. The value of shipments provides a standard basis of reporting for all establishments. Under the old system some establishments reported the value of products made and others the value of factory shipments, even though the schedule required products made to be reported. This was

especially true for small and medium sized establishments. Further, a great number of firms, attempting to report production values to fulfil the requirements of the old questionnaire, in fact computed their cost of production rather than their selling value, as they were supposed to. Since the value of shipments is usually carried in the firm's accounts, the work of filling out reports should be lessened and the questionnaire should as a result be filled out more promptly. The change should ease the burden for small establishments in particular, since the value of sales is readily available from their accounting records.

Under the "value of products" concept, establishments were required to report the factory selling value of the products made, whether sold or not, the unsold portion being assigned the average selling value of similar articles sold during the year. Where no selling values were available for the unsold portion estimated values had to be assigned. Under the new concept establishments are required to report their sales during the year, regardless of when the products were made.

These two concepts give different results, the first gives the value of products made and the second the value of products sold. For a large number of industries where normally there is no significant changes in the opening and closing inventories of finished products, these two sets of figures may be used interchangeably as they both reveal more or less the value of production and are, therefore, comparable with figures for previous years. There are, however, a number of large key industries with substantial changes in their opening and closing inventories. In such industries the new concept gives quite different results to that obtained formerly. To get comparable figures, the shipments figures must be converted to a production basis by adjusting for inventory change.

The change to the new concept solved the problem of uniformity of reporting inasmuch as the smaller firms who previously were reporting shipments instead of production are now reporting correctly. However, the new method has created other problems. One of these is the calculation of "value added by manufacture," which is obtained by subtracting from the value of production the cost of materials used, including the cost of fuel and electricity. Since the value of production is not now being reported, it has to be calculated by using the following formula.

"Shipments plus closing inventory of finished products and goods in process minus the opening inventory of finished products and goods in process equals value of products made."

In order to enable the Bureau to calculate "value added," it became necessary to ask firms to report their opening and closing inventories, broken down into (a) raw materials, (b) goods in process, and (c) finished products. These questions were added to the form for the 1954 census. As the schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added by manufacture is obtained by subtracting from the shipments the cost of materials used, including fuel and electricity. Ideally the inventory adjustment should be on a "value of the physical change" basis rather than the "change in book value". However, it has not been possible to introduce these refinements at the present time.

Subsection 3. General Review of the Manufacturing Industries of Canada, 1957

In spite of a downturn in production in the fall of the year, the manufacturing industries of Canada in 1957 established new record highs in number of employees, salaries and wages paid and the selling value of factory shipments. Shipments at \$22,183,594,311 were the highest on record and exceeded by 2.5 per cent the high mark attained the previous year. In employment, the record was not so impressive. Although there was an increase of 0.4 per cent in the number employed in 1957 as compared with 1956, the number still was only 31,610 higher than the record number employed in 1953. Salaries and wages paid at \$4,819,627,999 and value added by manufacture at \$9,822,084,726 were the highest on record, exceeding the previous high of 1956 by substantial margins. The physical output of manufactured products, however, declined 1.8 per cent

in spite of the fact that the number of employees was 0.4 per cent higher. A drop of about 2 per cent in the average number of hours worked per week in 1957 contributed to this result.

The physical volume of production in 1957 was down 1.8 per cent from the record level of the previous year, while the selling value of factory shipments was 2.5 per cent higher. This is more or less accounted for by an increase in the wholesale prices of partly and fully manufactured goods. In spite of the minor downturn in production, the output of non-durable goods continued to expand and recorded a minor increase of 0.9 per cent. The production of durable goods on the other hand recorded a decline of 4.6 per cent, which resulted in a net decline of 1.8 per cent for manufacturing as a whole. The total

index for manufacturing in 1957 stood at 142.5. For non-durable goods it was 139.3 and for durable goods 146.2. Since the end of the war the durable goods sector experienced an almost uninterrupted expansion in volume of production, the only exception being 1954 and 1957 when the output was lower than the previous year. Non-durable goods industries fared better, having experienced only one year of lower output, viz. 1954. In spite of the steadier expansion, the non-durable goods sector recorded an increase in volume of only 54 per cent between 1946 and 1956 while durable goods increased by 92 per cent during the same period.

In the non-durable goods sector the trend in physical output in 1957 was mixed, with the majority of the industrial groups reporting higher output. The greatest gain in volume of production of 10.3 per cent as compared with 1956 was reported by the tobacco and tobacco products group. This was followed by miscellaneous industries with an increase of 4.3 per cent, chemicals and allied products 3.8 per cent, beverages 3.5 per cent, products of petroleum and coal 3.4 per cent, foods 1.4 per cent, and printing, publishing and allied industries 0.7 per cent. Four groups reported declines in volume. Rubber and rubber products reported a drop of 4.0 per cent; clothing, including knitting mills, 2.0 per cent; paper products 1.7 per cent; and textiles 0.3 per cent. The leather products group which has experienced a long-term downward trend reported no change in 1957. This compares with an increase of 8.2 per cent the previous year.

In the durable goods sector, all groups, with the exception of non-metallic mineral products, reported lower levels of production. The greatest decline of 9.5 per cent was reported by the wood products group, followed by electrical apparatus and supplies with 5.1 per cent; transportation equipment 4.6 per cent; iron and steel products 3.9 per cent; and non-ferrous metal products 3.3 per cent. The non-metallic mineral products group which produces mainly building materials managed to come up with a minor increase of 0.9 per cent. This result is a reflection of the high level at which the construction industry operated, in spite of the general slackening in economic activity. The wood products group which also produces building materials on the other hand reported a substantial decline in physical output. This was due mainly to the continuing decline in exports. Planks and boards dropped from 3,936,161 M feet in 1956 to 3,635,497 M feet in 1957; red cedar shingles from 1,959,352 roofing squares to 1,718,203 roofing squares, and veneer and plywood from 738,158 M square feet to 490,750 M square feet. Not all industries in the transportation group were affected by the general slowing down in production. The motor vehicle industry with a drop of 12 per cent in volume was the most severely affected, the number of motor vehicles produced dropping from 471,350 in 1956 to 413,577 in 1957. The motor vehicle parts industry was also affected to the extent of a 10 per cent decline in output. Aircraft and shipbuilding on the other hand operated at higher levels, posting increases of 12 per cent and 7 per cent respectively. Railway rolling stock with an increase of 0.9 per cent was also slightly higher.

The high level at which the manufacturing industries of Canada operated during 1957 was the result of two main factors. First was the continuing high spending on capital goods, such as construction and machinery and equipment of all kinds which rose from \$8,036,000,000 in 1956 to \$8,717,000,000 in 1957, an increase of 8 per cent. Construction was up by \$511,000,000 while expenditures for machinery and equipment were \$170,000,000 higher. This stimulated some of the durable goods industries to a marked degree. The hydraulic cement industry had a 20.6 per cent increase in volume of production, the output of cement rising from 5,021,683 tons in 1956 to 6,049,098 tons in 1957. Bridge-building and structural steel was also 15.8 per cent higher, while heavy electrical machinery as well as industrial machinery and machine tools recorded but minor gains in output. The output of the primary iron and steel industry dropped 5.9 per cent. The production of pig iron at 3,718,350 tons was 150,147 tons higher while steel ingots and castings at 5,068,149 tons were 233,053 tons lower. The second factor was the impact on the consumer goods industries of the increase of about 543,000 in population as well as by the continued rise in labour income.

The decline in the export demand for Canadian manufactured products was an important factor adversely affecting manufacturing operations in 1957. As mentioned previously there was a marked decline in the export of planks and boards, shingles, veneer and plywood. Wood pulp, newsprint, whisky, wheat flour, aluminum and products, copper and products, zinc, automobiles and parts, fertilizers, and aircraft were all lower. There were, however, increases in the export of farm implements and machinery, nickel, artificial crude abrasives, non-farm machinery and synthetic plastics and their manufactures.

Ontario which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance, and in 1957 accounted for 49.9 p.c. of the total value of factory shipments. Quebec with 30.1 p.c. of the total shipments ranks as the second largest industrial province, while British Columbia with 8.0 p.c. of the total ranks third. In 1957 Ontario increased its share of the total while Quebec and British Columbia reported minor declines.

The slightly increased activity reported by the manufacturing industries of Canada during 1957 was not uniformly felt throughout the country. From the point of view of numbers employed, British Columbia with a drop of 2.7 per cent experienced the first set-back in manufacturing employment which expanded uninterruptedly during the past few years. The biggest decline in employment was, however, reported by New Brunswick with a drop of 7.0 per cent. This was followed by Prince Edward Island with a drop of 6.3 per cent, British Columbia 2.7 per cent and Newfoundland 0.4 per cent. All the other provinces reported increased employment. Alberta with an increase of 6.2 per cent headed the list, followed by Saskatchewan with 4.1 per cent, Manitoba 2.5 per cent, Nova Scotia 1.9 per cent, Quebec 0.7 per cent, and Ontario 0.5 per cent. For Canada as a whole, the increase in employment was 0.4 per cent.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a country producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 30 p.c. of the value of all goods and services produced, and also rank as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of large-scale deposits of iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant. There have been other periods when Canada's population has grown more rapidly and in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the post-war years. The real significance of the latter period is that never before has there been an advance on such a broad industrial front.

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of post-war conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic resources. Capital expenditures that contributed most to the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence

program—aircraft, electronic equipment, ships and guns—many items of which had never before been produced in Canada. Measures such as steel control, credit regulations and deferred depreciation had the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability of current levels of manufacturing is indicated by the fact that such activity is the result of business assessments of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent. Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the high-grade ores involved in order to meet continuing peace-time demands. No country is in a more favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials; a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945. And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind. Frequently using petroleum or natural gas as a source of raw material, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

The tremendous development which has taken place in Canada during the decade preceding 1957 is strikingly illustrated by the increase of 50.6 p.c. in the physical volume of manufactured products between 1946 and 1956 as compared with an increase of only 31 p.c. in the population. Part of this increase, resulted from an increased demand abroad for Canadian manufactured goods, part to the demands imposed on Canadian industry as a result of the expansion in the economy during the past decade, and part to the increase in the standard of living of the Canadian people. The increase of 70.1 p.c. in the output of durable goods consisting mainly of building materials, transportation equipment as well as machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the phenomenal expansion in the productive capacity of the country. Non-durable goods during the same period increased by 36.3 p.c. Although this increase is quite large it is, nevertheless, overshadowed by the much larger increase of 70.1 p.c. in the durable goods industries of the manufacturing sector.

With only one exception, all groups in both the durable and non-durable sectors recorded marked advances in volume output since 1946, the exception being leather products with a decline of 11.9 p.c. In the durable goods sector the most striking advance was made by the non-metallic mineral products group with an increase of 137.5 p.c. This was followed by electrical apparatus and supplies with 122.5 p.c., non-ferrous metal products 78.5 p.c., transportation equipment 67.9 p.c., iron and steel products 47.3 p.c. and wood products 46.6 p.c.

In the non-durable goods sector the greatest advance was achieved by the products of petroleum and coal group with 164.3 p.c. This was the highest increase of any group of either

sector. Rubber and rubber products with an increase of 101.6 p.c. came second, followed by printing, publishing and allied industries with 64.7 p.c., beverages 60.6 p.c., tobacco and tobacco products 59.2 p.c., paper products 48.1 p.c., chemicals and allied products 26.5 p.c., foods 15.9 p.c., textiles 12.8 p.c., and clothing 2.0 p.c. The output of the leather products group declined by 11.9 p.c.

Manufacturing establishments reporting in 1957 numbered 37,875. Of these 916 were located in Newfoundland, 193 in Prince Edward Island, 1,356 in Nova Scotia, 981 in New Brunswick, 12,250 in Quebec, 13,580 in Ontario, 1,590 in Manitoba, 844 in Saskatchewan, 1,893 in Alberta, 4,250 in British Columbia and 22 in the Yukon and Northwest Territories. These plants furnished employment to 1,359,061 persons who received \$4,819,627,999 in salaries and wages. They also shipped goods with a selling value at the factory of \$22,183,594,311 and spent \$11,900,751,703 for materials, while the value added by manufacture totalled \$9,822,084,726.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products and goods in process. The figures for value added in 1954 and subsequent years are, therefore, comparable with 1951 and prior years.

A number of industries still report value of production. To calculate value added by manufacture for these industries, the value of materials used, including the cost of fuel and electricity, is subtracted from the value of production reported, no account is taken of inventory change. For this reason the figures on value added by manufacture for manufacturing as a whole or for major groups published in this report differ slightly from the calculated figures derived by using the formula for converting shipments to production values which is "Shipments plus closing minus opening inventories of finished goods and goods in process equals value of production". To illustrate this point 1955 figures for Canada will be used. These figures are as follows:

	\$'000,000
Value of factory shipments	19,513.9
Inventory of finished goods and goods in process:	
Closing	1,738.6
Opening	1,619.7
Cost of materials used	10,338.2
Cost of fuel and electricity	457.8
Calculated value of production	
(19,513.9 plus 1,738.6 minus 1,619.7 = 19,632.8)	
Value added by manufacture	
(19,632.8 minus 10,338.2 minus 457.8 = 8,836.8)	

This is slightly different to the 8,753.5 figure given in Table 1. The difference is due to the fact that the figures for inventory change used in the formula are for manufacturing as a whole and include the figures for those industries still on a production basis and for which inventory changes have not been taken into account in calculating their value added by manufacture.

Percentage Variation in Volume of Production, 1946-57

Group	Volume index (1949 = 100)			Percentage variation		
	1957	1956	Percentage variation	1951 compared with 1946	1956 compared with 1951	1956 compared with 1946
All manufactures	142.5	145.1	- 1.8	+35.0	+26.2	+ 70.3
Non-durable goods	139.3	138.1	+ .9	+23.4	+24.6	+ 53.8
Durable goods	146.2	153.3	- 4.6	+50.1	+27.9	+ 91.9
Non-durable goods:						
Foods	133.2	131.4	+ 1.4	+ 3.9	+22.8	+ 27.6
Beverages	143.2	138.4	+ 3.5	+29.2	+30.3	+ 68.4
Tobacco and tobacco products	161.0	145.9	+10.3	+ 4.9	+53.6	+ 61.0
Rubber and rubber products	147.8	154.0	- 4.0	+39.6	+23.3	+ 72.1
Leather products	115.6	115.6	—	-27.1	+27.9	- 6.8
Textiles	117.6	117.3	- 0.3	+27.5	+ 3.7	+ 32.2
Clothing, including knitting mills	115.3	117.6	- 2.0	+ 6.2	+16.2	+ 23.4
Paper products	135.5	137.8	- 1.7	+45.1	+17.3	+ 70.1
Printing, publishing and allied industries	138.2	137.3	+ 0.7	+36.7	+30.6	+ 78.5
Products of petroleum and coal	223.5	216.1	+ 3.4	+72.9	+68.2	+190.8
Chemicals and allied products	181.5	174.8	+ 3.8	+37.9	+45.7	+100.9
Miscellaneous industries	153.3	147.0	+ 4.3	+48.4	+23.5	+ 83.3
Durable goods:						
Wood products	125.2	138.3	- 9.5	+32.3	+20.5	+ 59.3
Iron and steel products	139.7	145.3	- 3.9	+44.8	+24.2	+ 79.8
Transportation equipment	150.7	157.9	- 4.6	+62.9	+20.3	+ 95.9
Non-ferrous metal products	128.6	133.0	- 3.3	+39.5	+16.6	+ 62.6
Electrical apparatus and supplies	181.5	191.3	- 5.1	+78.3	+58.5	+182.6
Non-metallic mineral products	193.3	191.5	+ 0.9	+66.4	+59.8	+166.0

Percentage Variation of Manufacturing in Canada, by Provinces and Groups, 1957 Compared with 1956 and 1954

Province and group	1957 compared with 1956			1957 compared with 1954		
	Number of employees	Salaries and wages	Selling value of factory shipments	Number of employees	Salaries and wages	Selling value of factory shipments
Canada	+0.4	+ 5.4	+ 2.5	+ 7.2	+23.7	+26.4
Newfoundland	-0.2	+ 7.6	- 4.8	+ 5.9	+ 8.9	+ 7.4
Prince Edward Island	-6.3	+ 1.4	+ 1.9	- 6.3	+ 9.3	+ 6.3
Nova Scotia	+1.9	+ 8.0	+11.2	+ 6.5	+26.3	+42.4
New Brunswick	-7.0	+ 0.9	- 0.5	- 5.1	+ 9.8	+ 8.5
Quebec	+0.7	+ 5.8	+ 0.9	+ 6.0	+21.7	+23.8
Ontario	+0.5	+ 5.2	+ 4.0	+ 7.6	+24.3	+29.8
Manitoba	+2.5	+ 5.0	+ 2.6	+ 6.5	+20.4	+16.3
Saskatchewan	+4.1	+11.4	+ 2.7	+ 4.2	+22.0	+ 9.0
Alberta	+6.2	+14.0	+11.6	+19.3	+41.4	+36.4
British Columbia	-2.7	+ 2.9	- 4.0	+10.2	+26.7	+21.1
Yukon and Northwest Territories	-5.1	- 3.4	-37.2	-13.1	+ 4.4	- 8.9
All groups	+0.4	+ 5.4	+ 2.5	+ 7.2	+23.7	+26.4
Foods and beverages	+15.0	+11.0	+ 9.0	+ 8.0	+23.7	+17.1
Tobacco and tobacco products	+3.0	+ 9.9	+ 4.4	+ 4.6	+19.6	+10.8
Rubber products	-4.1	+ 1.3	- 8.3	+ 6.1	+23.3	+23.4
Leather products	-0.9	+ 3.7	+ 0.7	+ 1.1	+15.8	+15.6
Textiles	-3.3	+ 1.1	- 2.5	+ 6.1	+18.4	+16.7
Knitting mills	-1.2	+ 1.2	+ 4.2	+ 0.2	+ 5.5	+14.2
Clothing	+1.5	+ 5.2	+ 2.2	+ 1.6	+14.3	+15.2
Wood products	-6.4	- 2.0	- 7.7	- 1.6	+14.1	+10.7
Paper products	+0.6	+ 4.2	- 1.2	+ 7.9	+21.6	+14.4
Printing, publishing and allied industries	+3.0	+ 7.9	+ 6.2	+ 8.7	+24.6	+26.6
Iron and steel products	+0.8	+ 5.3	+ 5.6	+14.3	+33.3	+49.0
Transportation equipment	+2.4	+ 6.8	+ 3.5	+ 8.4	+23.5	+32.4
Non-ferrous metal products	-2.7	+ 3.6	- 9.6	+ 8.1	+25.3	+33.2
Electrical apparatus and supplies	-2.2	+ 3.2	- 1.1	+ 8.5	+23.9	+24.8
Non-metallic mineral products	-0.1	+ 5.0	+ 5.2	+13.9	+30.9	+38.4
Products of petroleum and coal	+0.4	+ 8.6	+ 8.3	+ 1.1	+27.3	+46.1
Chemicals and allied products	+3.6	+10.6	+ 8.3	+ 6.0	+25.2	+28.6
Miscellaneous industries	+4.5	+ 9.5	+ 8.7	+12.5	+28.1	+40.7

Tables 1 to 3 give a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages paid,

cost of materials and values of products. A number of interesting comparisons are made in Table 4 and figures of consumption are given in Table 6.

TABLE 1. Summary Statistics of Manufactures, 1917-57

Note: Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the series given below. They will be found in Table 1 in the 1941 edition of this report. Statistics of the non-ferrous metal smelting industries were not included in manufactures for the years 1920-1924.

Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No.	\$	No.		dollars		
1917	21,845	2,333,991,229	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1918	21,777	2,518,197,329	602,179	567,991,171	1,827,631,548	1,399,794,849	3,227,426,397
1919	22,083	2,670,559,435	594,066	601,715,668	1,779,056,765	1,442,400,638	3,221,457,403
1920	22,532	2,923,667,011	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1921	20,848	2,697,858,073	438,555	497,399,761	1,365,292,885	1,123,694,263	2,488,987,148
1922	21,016	2,667,493,290	456,256	489,397,230	1,272,651,585	1,103,266,106	2,375,197,691
1923	21,080	2,788,051,630	506,203	549,529,631	1,456,595,367	1,206,332,107	2,662,927,474
1924	20,709	2,895,317,508	487,610	534,467,675	1,422,573,946	1,075,458,459	2,570,561,931
1925 ³	20,981	3,065,730,916	522,924	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926 ³	21,301	3,208,071,197	559,161	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927 ³	21,501	3,454,825,529	595,052	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928 ³	21,973	3,804,062,566	631,429	721,471,634	1,894,027,188	1,597,887,676	3,582,345,302
1929 ³	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930 ³	22,618	4,041,030,475	614,696	697,555,378	1,664,787,763	1,522,737,125	3,280,236,603
1931	23,083	3,705,701,893	528,640	587,566,990	1,221,911,982	1,252,017,248	2,555,126,448
1932	23,102	3,380,475,509	468,833	473,601,716	954,381,097	955,960,724	1,980,471,543
1933	23,780	3,279,259,838	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785
1934	24,209	3,249,348,864	519,812	503,851,055	1,229,513,621	1,087,301,742	2,393,692,729
1935	24,034	3,216,403,127	556,664	559,467,777	1,419,146,217	1,153,485,104	2,653,911,209
1936	24,202	3,271,263,531	594,359	612,071,434	1,624,213,996	1,289,592,672	3,002,403,814
1937	24,834	3,465,227,831	660,451	721,727,037	2,006,926,787	1,508,924,867	3,625,459,500
1938	25,200	3,485,683,018	642,016	705,668,589	1,807,478,028	1,428,286,778	3,337,681,366
1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1940	25,513	4,095,716,836	762,244	920,872,865	2,449,721,903	1,942,471,238	4,529,173,316
1941	26,293	4,905,503,966	961,178	1,264,862,643	3,296,547,019	2,605,119,788	6,076,308,124
1942	27,862	5,488,785,545	1,152,091	1,682,804,842	4,037,102,725	3,309,973,758	7,553,794,972
1943	27,652	6,317,166,727	1,241,068	1,987,292,384	4,690,493,083	3,816,413,541	8,732,860,999
1944	28,483	Not collected	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1945	29,050	"	1,119,372	1,845,773,449	4,473,668,847	3,564,315,899	8,250,368,866
1946	31,249	"	1,058,156	1,740,687,254	4,358,234,766	3,467,004,980	8,035,692,471
1947	32,734	"	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580
1948	33,420	"	1,155,721	2,409,368,190	6,632,881,628	4,938,786,981	11,875,169,685
1949 ⁴	35,792	"	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1950 ⁴	35,942	"	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
1951 ⁴	37,021	"	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132
1952 ⁴	37,929	"	1,288,382	3,637,620,160	9,146,172,494	7,443,533,199	16,982,687,035
1953 ⁴	38,107	"	1,327,451	3,957,018,348	9,380,558,682	7,993,069,351	17,785,416,854
1954 ⁴	38,028	"	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
1955 ⁴	38,182	"	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811
1956 ⁴	37,428	"	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986
1957 ⁴	37,875	"	1,359,061	4,819,627,999	11,900,751,703	9,822,084,726	22,183,594,311

¹ Years 1924-51, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. Years 1952 and 1953 the deduction is made from "Value of factory shipments" and in 1954 and subsequent years from the calculated value of production. Figures prior to 1924 are not comparable since statistics for cost of electricity are not available. (See text on Concepts p. 10).

² In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products."

³ A change in the method of computing the number of wage-earners in the years, 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was re-adopted.

⁴ Newfoundland is included for 1949 and subsequent years, however, figures for the fish processing industry, 1949 and 1950, are not available for this province and therefore not included.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-57

Province and year	Estab-lish-ments	Capital	Em-ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	No.	\$	No.		dollars		
Newfoundland:							
1949.....	793	Not collected	6,934	15,486,336	31,228,173	32,918,776	67,264,282
1950.....	850	"	6,682	16,246,252	31,505,623	36,712,377	71,062,850
1951 ²	822	"	9,622	22,681,246	43,117,299	53,690,187	100,642,613
1953.....	939	"	10,575	26,604,908	44,972,021	57,784,697	106,524,602
1954.....	790	"	9,892	27,601,186	46,503,032	59,483,922	109,567,770
1955.....	785	"	10,361	28,604,468	49,914,856	60,586,922	115,579,036
1956.....	783	"	10,502	30,462,735	55,451,956	62,607,709	123,691,344
1957.....	916	"	10,473	32,783,715	53,995,122	56,543,792	117,713,795
Prince Edward Island:							
1917.....	411	2,008,082	1,556	663,251	3,087,621	1,750,135	4,837,758
1920.....	370	2,328,686	1,287	855,210	4,164,223	2,135,857	6,300,080
1929 ³	263	2,646,354	2,074	727,286	2,862,725	1,466,446	4,408,608
1933.....	249	2,256,307	991	529,684	1,590,834	1,126,826	2,775,787
1939.....	222	2,682,900	1,088	617,945	2,239,117	1,243,979	3,543,681
1944.....	241	Not collected	1,786	1,694,763	6,993,510	3,570,835	10,713,644
1949.....	251	"	1,747	2,133,555	13,537,144	4,338,320	18,123,200
1953.....	216	"	1,809	3,095,845	16,963,798	5,878,761	23,198,970
1954.....	209	"	1,774	3,000,211	17,001,551	6,044,749	23,469,743
1955.....	204	"	1,769	3,074,085	16,803,035	6,431,660	23,628,831
1956.....	192	"	1,775	3,233,404	17,806,842	6,161,628	24,497,245
1957.....	193	"	1,663	3,278,822	18,315,249	6,579,507	24,952,853
Nova Scotia:							
1917.....	1,337	124,357,851	25,252	18,838,051	102,415,215	57,565,703	159,980,918
1920.....	1,345	135,679,188	23,425	25,625,089	85,724,785	61,371,243	147,096,028
1929 ³	1,094	118,951,398	19,866	16,905,885	50,725,562	35,676,421	89,787,548
1933.....	1,277	92,004,624	12,211	9,604,680	25,354,319	19,988,257	47,912,432
1939.....	1,083	101,954,082	17,627	16,651,685	43,332,195	35,885,563	83,139,572
1944.....	1,281	Not collected	37,812	59,940,411	103,463,123	93,376,638	204,421,664
1949.....	1,480	"	29,311	54,686,577	135,841,899	102,294,298	247,592,385
1953.....	1,591	"	32,404	76,390,755	180,543,535	127,917,165	320,012,264
1954.....	1,526	"	29,611	71,740,240	161,294,873	129,777,850	300,072,733
1955.....	1,524	"	30,218	76,555,923	175,194,419	139,646,423	331,129,690
1956.....	1,402	"	30,937	83,948,510	214,779,069	159,820,242	384,398,103
1957.....	1,356	"	31,530	90,634,615	238,286,745	175,682,924	427,299,045
New Brunswick:							
1917.....	943	60,300,907	19,710	12,893,014	32,380,621	27,027,725	59,408,346
1920.....	901	101,216,395	19,007	19,266,821	60,812,641	45,803,164	106,615,805
1929 ³	803	91,376,948	17,952	15,127,716	39,800,366	26,640,786	68,145,012
1933.....	747	90,148,317	11,336	9,308,100	20,442,421	18,166,713	41,345,622
1939.....	803	91,171,323	14,501	13,659,162	35,617,614	27,041,195	66,058,151
1944.....	937	Not collected	23,164	32,345,080	83,993,599	62,258,478	152,106,577
1949.....	1,060	"	23,446	44,219,819	131,804,253	91,187,735	231,506,191
1953.....	1,094	"	24,471	59,753,045	163,797,711	120,617,345	295,750,419
1954.....	1,057	"	22,107	55,109,428	157,215,921	118,015,815	287,350,600
1955.....	1,052	"	22,434	56,683,345	160,905,219	120,808,214	294,829,050
1956.....	1,004	"	22,560	61,063,301	176,440,306	125,314,488	313,280,599
1957.....	981	"	20,985	60,485,307	174,741,863	123,547,460	311,795,501
Quebec:							
1917.....	7,032	662,012,975	188,043	141,008,616	385,212,984	380,882,409	766,095,393
1920.....	7,530	878,859,638	183,748	202,516,550	553,558,520	499,643,217	1,053,201,737
1929 ³	6,948	1,246,208,650	206,580	225,226,808	537,270,055	537,796,395	1,108,592,775
1933.....	7,856	1,035,339,591	157,481	134,696,386	292,560,568	288,504,782	604,496,078
1939.....	8,373	1,182,538,441	220,321	223,757,767	536,823,039	470,385,279	1,045,757,585
1944.....	9,656	Not collected	424,115	668,156,053	1,494,253,053	1,350,519,134	2,929,685,183
1949.....	11,579	"	390,275	809,579,270	2,027,793,643	1,651,629,668	3,788,497,123
1953.....	12,132	"	441,555	1,225,573,314	2,816,373,112	2,424,647,499	5,386,784,863
1954.....	12,191	"	424,095	1,214,661,400	2,806,248,363	2,448,027,538	5,395,786,644
1955.....	12,194	"	429,575	1,271,077,953	3,152,541,331	2,622,333,056	5,922,367,074
1956.....	12,112	"	446,137	1,396,414,564	3,605,521,666	2,888,148,758	6,622,502,699
1957.....	12,250	"	449,383	1,477,828,336	3,570,908,799	2,947,897,608	6,579,595,056
Ontario:							
1917.....	9,061	1,157,850,643	299,389	258,393,065	794,556,502	662,174,261	1,456,730,763
1920.....	9,113	1,464,097,346	295,674	362,941,317	1,071,843,374	792,267,562	1,864,110,936
1929 ³	9,348	1,986,736,556	328,533	406,622,627	1,056,530,202	916,971,816	2,020,492,433
1933.....	9,542	1,587,947,947	224,816	220,530,088	464,544,563	465,103,842	958,776,858
1939.....	9,824	1,762,571,669	318,871	378,376,209	907,011,461	791,428,569	1,745,674,707
1944.....	10,731	Not collected	564,392	975,038,060	2,310,347,858	1,930,043,913	4,339,797,784
1949.....	12,951	"	557,190	1,305,544,434	3,256,454,918	2,708,554,013	6,103,974,834
1953.....	13,114	"	634,554	2,017,982,218	4,560,134,562	4,130,126,462	8,876,504,990

See footnotes at end of table.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-57 — Concluded

Province and year	Estab-lish-ments	Capital	Em-employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	No.	\$	No.		dollars		
Ontario—Concluded:							
1954	13,178	Not collected	598,914	1,954,767,388	4,412,536,948	3,930,730,030	8,533,167,214
1955	13,276	"	613,872	2,088,905,627	5,014,225,423	4,426,654,771	9,617,642,961
1956	13,215	"	641,190	2,310,634,396	5,683,753,088	4,868,570,251	10,655,098,620
1957	13,580	"	644,245	2,430,676,464	5,827,317,500	5,047,710,789	11,078,592,683
Manitoba:							
1917	732	82,566,858	18,939	16,513,423	69,715,149	42,280,801	111,995,950
1920	747	94,424,145	23,728	32,372,081	92,729,271	62,776,912	155,506,183
1929	861	121,363,898	24,012	31,224,596	87,832,324	63,925,015	155,266,294
1933	1,010	100,074,404	18,871	18,687,430	44,579,998	37,390,275	83,934,777
1939	1,087	119,659,365	23,910	28,444,798	82,408,293	48,810,544	134,293,595
1944	1,290	Not collected	40,937	62,758,081	226,234,925	120,339,926	352,334,594
1949	1,520	"	41,956	86,088,380	299,101,498	167,335,495	474,681,912
1953	1,540	"	43,740	121,126,279	345,403,115	229,797,439	584,872,459
1954	1,522	"	41,224	116,454,886	328,827,609	232,487,743	571,408,772
1955	1,549	"	41,318	121,718,573	329,698,765	247,472,108	588,351,081
1956	1,534	"	42,821	133,505,971	367,024,766	270,017,554	647,389,185
1957	1,590	"	43,884	140,200,256	379,799,214	273,162,757	664,529,736
Saskatchewan:							
1917	560	24,372,585	6,230	5,403,332	22,040,674	13,894,179	35,934,853
1920	554	24,640,520	6,709	9,571,175	34,894,105	22,610,861	57,504,966
1929	594	43,925,797	7,025	9,105,597	51,003,566	23,002,952	75,368,605
1933	673	38,688,433	4,782	4,848,763	19,124,030	11,478,634	31,559,387
1939	737	37,654,095	6,475	7,346,127	38,782,135	20,283,273	60,650,589
1944	1,054	Not collected	12,361	17,703,103	131,215,017	40,833,333	175,349,234
1949	962	"	10,841	22,273,942	164,349,341	47,356,949	215,742,708
1953	1,062	"	11,604	32,395,518	180,303,942	79,941,332	266,613,086
1954	1,010	"	11,526	33,509,833	169,326,001	104,560,398	280,733,784
1955	960	"	11,430	34,825,511	174,078,701	113,598,622	295,162,037
1956	798	"	11,536	36,683,383	176,871,188	113,627,842	298,203,489
1957	844	"	12,012	40,875,349	189,106,737	109,598,807	306,115,112
Alberta:							
1917	636	49,146,241	9,461	8,662,417	42,632,212	23,883,673	66,515,885
1920	666	48,310,655	10,955	15,210,628	56,139,646	29,812,891	85,952,537
1929	736	81,875,952	12,216	14,585,734	62,500,175	36,824,969	100,966,196
1933	874	69,604,563	9,753	9,573,468	29,425,975	18,876,929	49,395,514
1939	961	73,284,225	12,712	14,977,700	53,151,149	32,618,153	87,474,080
1944	1,165	Not collected	22,186	33,227,729	172,082,537	77,415,753	252,949,894
1949	1,685	"	26,425	55,115,554	251,364,059	114,681,296	371,995,120
1953	2,072	"	33,082	82,605,153	346,221,162	199,660,428	555,814,827
1954	2,052	"	32,765	96,909,889	346,524,989	219,327,509	575,277,702
1955	2,126	"	34,846	106,548,815	366,022,853	263,308,701	641,148,235
1956	1,971	"	36,792	120,195,105	412,138,247	285,830,811	703,188,739
1957	1,893	"	39,089	137,077,438	461,134,040	312,037,090	784,408,512
British Columbia:							
1917 ⁴	1,133	171,375,087	37,943	35,426,675	87,637,833	71,673,094	159,310,927
1920 ⁴	1,306	174,110,438	34,360	49,135,005	125,405,084	104,851,641	230,256,725
1929 ⁴	1,569	311,806,456	48,153	57,764,968	141,145,838	113,082,137	260,418,645
1933 ⁴	1,552	263,195,452	28,417	28,469,225	70,166,220	59,034,923	133,879,330
1939	1,710	274,969,502	42,554	53,881,994	136,655,872	103,263,292	247,948,600
1944	2,116	Not collected	96,062	178,639,118	303,560,016	337,137,197	655,844,689
1949	3,493	"	82,934	196,403,722	531,112,329	409,665,348	959,008,088
1953	4,317	"	93,844	300,921,318	724,495,754	615,686,215	1,366,823,690
1954	4,462	"	95,867	319,802,914	794,885,369	651,812,950	1,474,156,242
1955	4,486	"	102,408	353,810,727	895,973,668	750,877,508	1,679,344,816
1956	4,393	"	108,595	393,869,388	1,007,882,346	824,249,273	1,859,368,466
1957	4,250	"	105,631	405,129,932	985,519,123	767,914,301	1,785,298,750
Yukon and N.W.T.:							
1939	5	538,847	55	97,766	138,500	92,054	242,968
1944	12	Not collected	67	118,972	189,718	280,803	489,256
1949	18	"	148	359,068	643,807	604,896	1,377,453
1953	30	"	177	569,995	1,349,970	1,012,008	2,516,683
1954	31	"	191	630,316	1,492,898	1,855,633	3,536,300
1955	26	"	170	604,507	2,843,895	1,732,511	4,751,000
1956	24	"	175	681,433	3,867,415	1,076,223	5,130,497
1957	22	"	166	657,765	1,627,311	1,409,691	3,221,268

¹ In 1952 and subsequent years the basis of collection is "Selling value of factory shipments" instead of "Gross value of products".² Includes for the first time the fish processing industry.³ A change in method of computing the number of wage-earners in the years 1925 to 1930 inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931 the method in force prior to 1925 was re-adopted.⁴ Includes Yukon and Northwest Territories.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-57

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dollars		
Foods and beverages:						
1945	8,872	156,396	224,908,882	1,336,820,028	558,247,045	1,921,774,601
1946	8,862	160,821	241,769,865	1,408,818,069	604,120,647	2,040,708,655
1947	8,865	167,865	276,245,015	1,656,529,086	695,092,932	2,383,975,677
1948	8,686	168,893	311,235,818	2,034,844,290	766,434,971	2,839,531,142
1949	8,558	170,024	332,536,319	2,009,246,062	834,017,547	2,882,581,753
1953	8,129	176,649	455,280,552	2,296,739,737	1,146,473,720	3,491,961,511
1954	8,090	177,883	477,058,728	2,334,166,626	1,181,648,171	3,562,546,744
1955	8,134	180,085	498,786,577	2,319,782,949	1,257,652,677	3,614,315,616
1956	8,023	183,008	531,634,259	2,474,174,069	1,311,492,763	3,826,702,255
1957	8,536	192,177	590,025,115	2,704,377,446	1,437,422,949	4,171,971,292
Tobacco and tobacco products:						
1945	86	12,164	15,738,041	79,176,519	42,985,992	122,543,932
1946	95	10,849	14,410,558	79,255,405	39,981,625	119,634,216
1947	91	10,880	16,234,772	97,121,002	49,221,094	146,793,011
1948	79	10,459	19,550,563	95,851,271	87,666,963	153,993,442
1949	72	10,686	21,896,378	113,357,196	58,529,226	172,420,213
1953	55	9,494	26,765,643	138,491,048	75,015,218	214,145,491
1954	53	9,469	27,868,939	144,960,769	79,439,243	225,340,976
1955	56	9,529	29,446,891	163,027,885	88,652,932	250,933,785
1956	51	9,613	30,308,855	150,111,499	88,298,796	239,242,872
1957	49	9,905	33,322,821	160,710,422	88,283,832	249,734,356
Rubber products:						
1945	55	23,490	39,111,477	78,500,892	98,836,225	181,413,226
1946	60	22,055	37,813,363	62,135,578	93,451,248	159,408,111
1947	60	23,475	46,613,893	82,934,625	110,673,007	196,307,734
1948	56	21,703	48,273,015	84,223,731	106,999,669	194,111,934
1949	62	20,729	48,172,207	73,895,718	101,705,513	178,503,559
1953	72	22,600	70,994,643	114,336,694	172,674,055	290,735,459
1954	73	20,894	67,476,405	106,501,858	149,073,979	264,184,787
1955	82	21,913	73,774,964	137,074,770	187,029,017	322,412,379
1956	91	23,136	82,154,889	160,686,586	198,602,139	355,583,815
1957	88	22,178	83,189,580	144,246,768	176,456,204	326,091,308
Leather products:						
1945	706	34,123	43,268,635	95,006,015	71,297,713	167,888,463
1946	776	37,290	49,712,628	108,702,945	82,319,495	192,749,456
1947	792	35,724	52,628,612	123,894,474	86,646,061	212,430,165
1948	757	34,291	55,122,863	114,819,233	86,947,703	203,758,501
1949	747	34,900	59,699,886	117,869,462	91,157,684	210,804,174
1953	695	33,068	70,965,495	116,416,179	103,937,262	222,410,182
1954	673	30,748	67,161,757	101,250,853	102,339,751	206,512,812
1955	646	30,575	68,970,276	108,961,619	107,215,340	218,043,090
1956	646	31,384	74,970,034	123,790,832	112,857,380	237,031,985
1957	624	31,099	77,768,483	122,529,541	116,139,080	238,789,101
Textile products (except clothing):						
1945	664	66,011	88,372,939	217,289,281	165,689,522	391,182,025
1946	720	67,366	95,637,733	215,853,616	178,852,730	402,966,184
1947	747	73,979	116,228,736	289,986,732	215,170,493	514,844,838
1948	722	75,816	141,002,245	331,943,622	261,774,544	604,946,333
1949	847	77,773	156,166,554	339,644,950	285,641,367	636,824,130
1953	959	73,190	184,604,616	388,324,584	299,231,284	700,690,265
1954	975	64,581	170,196,140	350,113,894	275,492,879	640,870,047
1955	977	69,144	187,805,044	408,890,576	314,533,385	734,515,445
1956	965	70,873	199,327,510	430,420,090	323,820,707	766,977,127
1957	929	68,512	201,578,812	412,433,901	330,984,539	747,666,544
Clothing (textile and fur):						
1945	2,676	99,959	131,478,496	251,899,847	222,307,384	476,754,319
1946	2,988	105,868	146,265,152	285,568,957	263,018,398	551,331,576
1947	3,121	110,329	166,951,727	311,018,817	300,527,093	614,594,703
1948	3,100	115,105	191,866,371	361,216,438	345,028,807	709,688,704
1949	3,058	117,752	206,512,782	371,128,833	352,741,236	727,498,836
1953	3,082	120,071	254,425,960	439,262,654	414,503,222	857,981,013
1954	3,030	111,315	239,072,710	410,078,242	383,538,744	801,533,118
1955	2,944	111,344	243,644,687	435,588,452	401,110,652	839,548,665
1956	2,811	111,712	257,854,168	483,175,047	418,424,063	898,919,689
1957	2,860	112,775	289,175,810	487,188,490	436,761,970	921,790,234
Wood products:						
1945	7,656	93,209	119,833,932	240,482,275	208,979,657	454,447,165
1946	8,846	105,472	142,338,538	297,923,979	256,436,946	560,341,251
1947	9,744	120,434	186,467,946	398,854,196	365,050,223	771,403,332
1948	10,495	124,306	214,741,924	428,913,571	401,401,795	839,045,068
1949	11,191	121,632	224,902,644	436,637,453	393,928,758	840,355,634

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-57 - Continued

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dollars		
Wood products - Concluded:						
1953	12,462	134,310	325,619,252	649,731,056	577,391,926	1,242,014,812
1954	12,165	128,931	323,122,214	623,756,753	566,186,899	1,205,959,905
1955	11,804	133,673	354,439,897	723,815,493	631,857,981	1,375,343,534
1956	11,103	135,583	376,349,267	788,465,324	646,223,303	1,446,612,560
1957	10,796	126,839	368,660,168	730,076,145	585,783,470	1,335,170,860
Paper products:						
1945	475	60,819	109,627,174	255,265,326	241,121,150	536,859,861
1946	486	67,442	134,320,546	313,410,656	333,819,710	695,085,534
1947	502	73,445	168,632,394	410,456,570	443,374,435	911,238,813
1948	522	75,980	197,397,810	485,237,427	509,993,037	1,061,359,807
1949	524	76,471	208,348,621	494,300,501	532,288,636	1,093,060,326
1953	555	84,436	310,107,707	717,460,043	767,273,583	1,568,250,521
1954	569	87,370	331,556,026	742,032,309	802,280,157	1,630,162,601
1955	580	89,750	349,777,049	793,008,069	867,261,587	1,754,098,505
1956	568	93,705	386,886,416	885,056,261	908,726,918	1,887,611,000
1957	582	94,283	403,286,291	883,394,993	877,985,557	1,865,719,185
Printing, publishing and allied trades:						
1945	2,312	43,565	74,257,775	52,655,848	132,385,988	186,945,134
1946	2,404	48,950	86,433,880	65,501,698	154,951,731	222,548,636
1947	2,458	52,096	101,611,652	82,585,466	178,667,051	263,632,152
1948	2,496	54,541	119,087,977	96,384,499	208,208,175	307,345,914
1949	3,866	61,834	141,489,984	124,684,351	250,162,704	377,908,182
1953	4,157	66,530	205,626,554	175,222,037	364,363,975	543,752,372
1954	4,227	68,614	220,275,989	188,725,630	384,791,305	577,355,291
1955	4,494	69,602	234,579,858	199,161,743	415,668,242	619,828,786
1956	4,585	72,361	254,372,125	225,201,594	459,224,177	688,434,263
1957	4,584	74,559	274,454,964	245,024,240	481,737,438	731,199,828
Iron and steel products:						
1945	1,903	169,278	313,966,173	395,624,098	527,473,688	952,482,150
1946	2,086	151,373	279,567,770	337,981,814	461,501,765	824,766,017
1947	2,200	162,399	334,044,246	451,289,335	580,342,444	1,064,654,410
1948	2,263	170,071	400,878,271	570,290,989	709,347,226	1,320,527,400
1949	2,347	163,622	413,227,553	619,499,256	760,934,249	1,419,145,725
1953	2,698	188,236	643,474,127	906,165,239	1,140,931,549	2,098,551,079
1954	2,801	173,698	605,526,529	829,237,679	1,085,231,674	1,954,230,964 ¹
1955	2,895	181,700	667,657,079	1,005,246,993	1,199,245,953	2,242,717,918
1956	2,963	196,918	766,376,087	1,315,813,753	1,429,985,145	2,756,769,477
1957	3,073	198,555	807,092,900	1,386,920,624	1,476,346,128	2,912,148,078
Transportation equipment:						
1945	504	154,844	326,748,794	498,241,686	523,910,119	1,034,666,913
1946	539	100,745	200,097,765	301,206,839	279,333,127	590,128,311
1947	562	104,348	230,898,680	426,573,091	366,151,761	803,611,372
1948	578	101,816	255,504,526	509,910,825	419,133,597	941,483,906
1949	596	104,750	270,852,111	584,064,330	466,529,164	1,063,211,331
1953	621	156,059	555,411,152	1,110,953,581	961,205,155	2,089,937,633
1954	602	133,432	479,079,750	986,721,281	701,600,725	1,713,962,985
1955	594	131,789	490,434,996	1,117,768,836	809,748,007	1,950,410,035
1956	591	141,257	553,571,826	1,286,297,404	906,154,667	2,192,934,975
1957	623	144,639	591,461,381	1,288,242,648	956,075,551	2,269,202,982
Non-ferrous metal products:						
1945	436	44,221	81,889,942	337,872,041	180,653,076	548,853,026
1946	474	40,855	75,855,699	311,082,975	148,492,336	484,618,453
1947	503	43,344	91,046,568	434,517,197	201,162,856	668,074,514
1948	503	46,048	108,778,616	556,238,618	248,225,806	844,598,154
1949	532	44,698	114,591,106	537,218,214	289,125,045	867,043,028
1953	551	52,058	178,710,057	726,128,115	458,180,471	1,242,010,994
1954	573	50,494	182,191,321	717,966,073	486,933,852	1,263,774,817
1955	581	53,311	201,109,879	974,792,188	590,744,408	1,626,980,855
1956	581	56,071	220,369,740	1,128,961,556	667,853,158	1,862,156,182
1957	592	54,581	228,268,388	1,014,145,515	603,099,206	1,633,382,440
Electrical apparatus and supplies:						
1945	247	44,129	76,468,795	92,041,030	135,919,899	230,531,874
1946	266	43,998	74,510,479	101,939,272	129,968,926	234,572,653
1947	296	52,736	103,891,016	182,131,266	200,859,040	366,506,203
1948	314	53,873	122,113,644	180,344,829	241,333,960	425,725,279
1949	365	55,916	137,278,521	212,460,413	269,341,983	486,286,355
1953	422	76,856	250,646,777	383,743,994	457,489,516	848,190,254
1954	457	75,075	258,509,601	396,583,427	482,960,141	863,942,144
1955	468	76,244	264,031,474	477,655,753	469,918,651	962,615,012
1956	473	83,296	310,522,800	558,249,520	577,411,595	1,090,194,175
1957	486	81,432	320,416,647	498,242,643	568,587,265	1,078,212,912

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-57 — Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dollars		
Non-metallic mineral products:						
1945	700	20,269	32,959,877	41,488,955	76,318,456	130,704,796
1946	833	24,387	39,851,286	49,957,966	94,591,439	160,476,827
1947	863	26,443	50,456,143	66,266,546	115,277,990	201,766,910
1948	934	27,278	58,816,381	72,577,833	134,897,744	232,148,324
1949	1,020	28,139	64,594,354	78,401,065	143,872,615	246,457,799
1953	1,094	34,352	107,275,074	134,118,848	239,815,853	408,909,192
1954	1,160	35,229	114,849,079	145,120,516	256,951,758	435,208,000
1955	1,171	38,949	131,006,731	174,489,301	301,656,877	514,118,801
1956	1,183	40,165	143,223,163	206,872,491	322,821,042	572,539,111
1957	1,231	40,120	150,313,185	209,981,914	340,621,267	602,164,737
Products of petroleum and coal:						
1945	80	11,532	22,904,418	188,899,911	65,637,131	270,166,984
1946	77	12,106	24,197,354	190,527,903	79,046,757	286,007,855
1947	80	12,769	28,689,932	257,420,851	84,073,746	361,333,008
1948	75	13,678	34,766,341	369,035,161	97,064,006	491,961,894
1949	77	14,552	39,783,500	391,036,128	117,819,090	533,730,719
1953	100	17,112	66,565,434	576,310,641	211,552,953	823,089,340
1954	104	17,559	69,681,725	625,411,385	358,372,309	1,020,911,348
1955	106	17,486	72,436,559	704,384,995	417,349,989	1,160,824,499
1956	107	17,685	81,679,924	837,826,914	489,299,180	1,377,226,103
1957	106	17,757	88,687,774	898,830,429	534,093,249	1,491,925,837
Chemicals and allied products:						
1945	986	61,339	107,050,824	228,855,956	252,944,165	498,630,798
1946	1,031	38,012	67,842,339	179,749,719	208,399,498	401,741,703
1947	1,046	39,237	78,993,517	238,310,157	234,056,973	488,307,293
1948	1,026	39,548	89,325,771	293,041,874	288,818,222	579,827,509
1949	1,037	41,328	100,690,662	280,008,945	288,171,551	587,398,215
1953	1,105	50,207	164,590,810	403,686,331	448,276,576	881,503,845
1954	1,116	51,603	177,311,960	437,051,091	476,125,328	935,724,880
1955	1,126	51,856	185,267,943	480,104,190	528,928,509	1,044,079,000
1956	1,131	52,821	200,742,647	527,564,227	556,240,754	1,111,233,404
1957	1,137	54,708	222,044,489	565,746,391	605,273,621	1,203,411,197
Miscellaneous industries:						
1945	692	24,024	37,187,275	83,549,139	59,608,589	144,523,599
1946	706	20,567	30,262,299	48,617,375	58,718,602	108,607,036
1947	800	22,247	36,291,117	44,390,608	65,708,033	111,532,447
1948	814	22,315	40,906,054	48,007,617	75,510,756	125,116,374
1949	893	26,401	51,147,475	59,778,187	94,600,066	156,363,321
1953	1,350	32,223	85,954,495	103,467,901	154,763,033	261,282,891
1954	1,360	31,071	85,748,818	102,179,368	149,157,222	252,306,085
1955	1,524	31,511	89,239,630	114,448,353	164,876,649	283,147,866
1956	1,556	33,432	100,348,480	138,869,722	187,968,792	326,580,013
1957	1,579	34,942	109,881,191	146,659,593	206,433,400	355,013,423

¹ In 1952 the basis of collection was changed from "value of products made" to "selling value of factory shipments".

² Increase is due to the inclusion for the first time of establishments that publish periodicals without doing any printing.

³ There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "value added by manufacture". Figures for 1954 and subsequent years are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.

⁴ Apparent advance in the selling value of factory shipments is due in part to an actual gain in physical output, but the major factor contributing to this increase was a change in accounting procedure by some firms of the petroleum products industry in calculating value of factory shipments. This increased the value by approximately \$139,000,000 over what the value would have been by the former method.

Significant Changes in Manufacturing Production. — The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1957. In analysing statistics of production and materials used, price changes should be borne in mind, particularly the inflation of values in the years immediately following World War I, the drop in prices of commodities during the depressions following 1921 and 1930, and the increases again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 10,397,703 in 1953, an advance of about 527 p.c. in 37 years. In the same period, horse-power per production employee showed an uninterrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of production employees on war production, and the more efficient

utilization of the equipment available, the horse-power per production employee dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the war resulted in a rise to 8.52 in 1948 and 9.87 in 1953. The significant feature is the increase in both the absolute figures of power employed and the averages per production employee during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average earnings since 1929. Between 1949 and 1957 the value of purchased fuel and electricity increased by 81.6 per cent; for full details of fuel and electricity used by the manufacturing industries see Tables 57 and 58.

TABLE 4. Significant Statistics of Manufactures for Significant Years 1917-57

Item	1917	1920	1929 ¹	1933
Establishments..... No.	21,845	22,532	22,216	23,780
Totals, employees..... "	606,523	598,893	666,531	468,658
Averages, per establishment..... "	27.8	26.6	30.0	19.7
Total earnings..... \$	497,801,844	717,493,876	777,291,217	436,247,824
Averages, per establishment..... \$	22,788	31,843	34,988	18,345
Averages, per employee..... \$	821	1,198	1,166	931
Administrative and office employees..... No.	64,918	78,334	88,841	86,636
Averages, per establishment..... "	3.0	3.5	4.0	3.6
Earnings..... \$	85,353,667	141,837,361	175,553,710	139,317,946
Averages, per employee..... \$	1,315	1,811	1,976	1,608
Production workers..... No.	541,605	520,559	577,690	382,022
Averages, per establishment..... "	24.8	23.1	26.0	16.1
Earnings..... \$	412,448,177	575,656,515	601,737,507	296,929,878
Averages, per employee..... \$	762	1,106	1,042	777
Cost of materials..... \$	1,539,678,811	2,085,271,649	2,029,670,813	967,788,928
Averages, per establishment..... \$	70,482	92,547	91,361	40,698
Averages, per employee..... \$	2,539	3,482	3,045	2,065
Values added by manufactures ² \$	1,281,131,980	1,621,273,348	1,755,386,937	919,671,181
Averages, per establishment ² \$	58,646	71,954	79,015	38,674
Averages, per employee ² \$	2,112	2,707	2,634	1,962
Gross value of products..... \$	2,820,810,791	3,706,544,997	3,883,446,116	1,954,075,785
Averages, per establishment..... \$	129,128	164,501	174,804	82,173
Averages, per employee..... \$	4,651	6,189	5,286	4,170
Power employed..... hp.	1,658,475	2,068,875	3,855,648	4,135,008
Averages, per establishment..... "	76	92	174	178
Averages, per production worker..... "	3.06	3.97	6.67	10.82
	1939	1944	1949	1957
Establishments..... No.	24,805	28,483	35,792	37,875
Totals, employees..... "	658,114	1,222,882	1,171,207	1,359,061
Averages, per establishment..... "	26.5	42.9	32.7	35.9
Total earnings..... \$	737,811,153	2,029,621,370	2,591,890,657	4,819,627,999
Averages, per establishment..... \$	29,744	71,257	72,415	127,251
Averages, per employee..... \$	1,121	1,660	2,213	3,546
Administrative and office employees..... No.	124,772	192,558	221,551	313,884
Averages, per establishment..... "	5.0	6.8	6.2	8.3
Earnings..... \$	217,839,334	418,065,594	628,427,937	1,403,401,749
Averages, per employee..... \$	1,746	2,171	2,836	4,741
Production workers..... No.	533,342	1,030,324	949,656	1,045,177
Averages, per establishment..... "	21.5	36.2	26.5	27.6
Earnings..... \$	519,971,819	1,611,555,776	1,963,462,720	3,416,226,250
Averages, per employee..... \$	975	1,564	2,068	3,269
Cost of materials..... \$	1,836,159,375	4,832,333,356	6,843,231,064	11,900,751,703
Averages, per establishment..... \$	74,024	169,657	191,194	314,211
Averages, per employee..... \$	2,790	3,952	5,843	8,757
Values added by manufactures ² \$	1,531,051,901	4,015,776,010	5,330,566,434	9,822,084,726
Averages, per establishment ² \$	61,724	140,989	148,932	259,329
Averages, per employee ² \$	2,326	3,284	4,551	7,227
Gross value of products..... \$	3,474,783,528	9,073,692,519	12,479,593,300	22,183,594,311 ⁴
Averages, per establishment..... \$	140,084	318,565	348,670	585,705
Averages, per employee..... \$	5,280	7,420	10,655	16,323
Power employed..... hp.	5,045,287	6,468,439	8,227	10,397,703 ⁵
Averages, per establishment..... "	203	227	273 ³	273 ³
Averages, per production worker..... "	9.46	6.28	8.77 ⁵	9.87 ⁵

¹ A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1931 and for later years are therefore comparable with those for 1924 and earlier years.

² See footnote 1, Table 1.

³ Collected only every five years.

⁴ See footnote 2, Table 1.

⁵ These figures are for 1953 which is the latest year available.

Recent Changes in Manufacturing Production.—Table 5 shows the changes in the nature of manufacturing production since the end of World War II with regard to numbers employed, the salaries and wages paid, and the gross value of products. Owing to price declines during depressions and rises during periods of prosperity, the values of both wages and products are naturally affected more than the number of employees. Furthermore, during periods of curtailed production there is a tendency for production workers to be put on part time, while the number of office employees responds less quickly to reduction in output than that of production workers. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The

figures of Table 5 are to be compared with those of Tables 8, 9 and 10 which show changes in volume of production. The number of employees in 1944 increased by 86 p.c. over 1939. Salaries and wages paid were 175 p.c. higher and the gross value of production 161 p.c. higher. Another significant change is the increase in the proportion of women engaged in manufacturing. Whereas in 1939, there were 281 females to every 1,000 males employed, in 1944 this figure jumped to 403.

Significant changes in the nature of manufacturing production took place after the cessation of hostilities in 1945. Industries engaged in war production operated at a substantially lower level, while industries producing consumer goods stepped

up their production. From the point of view of employment the chemical and allied products group with a drop of 33 p.c. experienced the greatest decline in production between 1945 and 1949. Transportation equipment which includes aircraft and shipbuilding was second with a drop of 32 p.c., followed by tobacco and tobacco products with 12 p.c., rubber goods 12 p.c. and iron and steel products 3 p.c. The non-metallic mineral products group reported the greatest gain in employment with an increase of 39 p.c., followed by printing, publishing and allied trades 31 p.c., wood products 29 p.c., electrical apparatus and supplies 27 p.c., products of petroleum and coal 26 p.c., paper products 21 p.c., textiles (except clothing) 19 p.c., clothing (textile and fur) 18 p.c., foods and beverages 8 p.c., leather products 2 p.c. and non ferrous metal products 1 p.c. For manufacturing as a whole there was an increase of 4 p.c. in the number of employees with an increase of 39 p.c. in the amount of salaries and wages paid. Although there was an increase of 50 p.c. in the gross value of production, the increase in the physical volume was only 7.6 p.c. This is due to the rise in the wholesale prices of fully and partly manufactured products.

Between 1949 and 1954, for manufacturing as a whole, there was an increase of 40.6 p.c. in the gross value of production, 8.1 p.c. in employment, and 75.5 p.c. in salaries and wages paid. In terms of employment, the electrical apparatus and supplies group with an increase of 34.3 p.c. experienced the greatest expansion since 1949. Transportation equipment

came second with 27.4 p.c., followed by non-metallic mineral products with 25.2, chemicals and allied products 24.9, products of petroleum and coal 20.7, miscellaneous industries 17.7, paper products 14.3, non-ferrous metal products 13.0, and printing, publishing and allied industries 11.0. The smallest gain was reported by the rubber products group with 0.8 p.c. Four groups reported declines in employment. Textiles led the list with a drop of 17.0 p.c., followed by leather products with 11.9, tobacco and tobacco products 11.4 and clothing 5.5.

Significant changes have also occurred regionally between 1949 and 1954. In terms of employment, there was an increase of 8.1 p.c. for Canada as a whole. With the exception of two provinces, New Brunswick and Manitoba, all other provinces reported increased employment in manufacturing. Alberta led in this respect with an increase of 24.0 p.c., followed by British Columbia with 15.6 p.c., Newfoundland 13.2 p.c. and Quebec 8.7 p.c. These four provinces were above the Canadian average of 8.1 p.c. Four other provinces also reported increases in employment, but below the Canadian average. Of these Ontario reported an increase of 7.5 p.c., Saskatchewan 6.3 p.c., Prince Edward Island 1.5 p.c. and Nova Scotia 1.0 p.c. Of the two provinces reporting declines New Brunswick suffered a drop of 5.7 p.c. and Manitoba a drop of 1.7 p.c. The following table gives the changes which have taken place in manufacturing during the past ten years, on an industrial as well as a geographical basis.

TABLE 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in Each Province and Major Industrial Group, Compared for Significant Years, 1945-54
(For a comparison of 1957 with 1956 and 1954 see page 16)

Province and group	1949 compared with 1945			1954 compared with 1949		
	Employees	Salaries and wages	Gross value of products	Employees	Salaries and wages	Gross value of products
Province	1	2	3	4	5	6
Newfoundland ¹	—	—	—	+13.2	+71.1	+43.3
Prince Edward Island	- 2.2	+25.9	+ 69.2	+ 1.5	+40.6	+29.5
Nova Scotia	-22.5	- 8.8	+ 21.1	+ 1.0	+31.2	+21.2
New Brunswick	+ 1.2	+36.7	+ 52.2	- 5.7	+24.6	+24.1
Quebec	- 8.0	+21.2	+ 29.3	+ 8.7	+50.0	+42.4
Ontario	- 1.3	+33.8	+ 40.6	+ 7.5	+49.7	+39.8
Manitoba	+ 2.5	+37.2	+ 34.7	- 1.7	+35.3	+20.4
Saskatchewan	-12.3	+25.8	+ 23.0	+ 6.3	+50.4	+30.1
Alberta	+19.1	+65.9	+ 47.1	+24.0	+75.8	+54.6
British Columbia	-13.7	+ 9.9	+ 46.2	+15.6	+62.8	+53.7
Canada²	+ 3.6	+39.2	+ 50.0	+ 8.1	+75.5	+40.6
Industrial group						
Foods and beverages ³	+ 8.1	+48.5	+ 49.5	—	+42.4	+23.1
Tobacco and tobacco products	-12.2	+39.1	+ 42.3	+11.4	+27.3	+30.7
Rubber products	-11.8	+23.2	+ 1.6	+ 0.8	+40.1	+48.0
Leather products	+ 2.3	+38.0	+ 25.6	-11.9	+12.5	- 2.0
Textile products (except clothing)	+18.9	+78.6	+ 65.1	-17.0	+ 9.0	+ 0.6
Clothing (textile and fur)	+17.8	+57.1	+ 52.6	- 5.5	+15.8	+10.2
Wood products ⁴	+28.9	+86.7	+ 83.9	+ 6.0	+43.7	+43.5
Paper products ⁵	+20.7	+80.5	+ 95.1	+14.3	+59.1	+49.1
Printing, publishing and allied industries ⁴	+31.2	+81.2	+ 84.1	+11.0	+55.7	+52.8
Iron and steel products	- 3.4	+31.6	+ 49.0	+ 6.2	+46.5	+37.7
Transportation equipment	-32.4	-17.1	+ 2.8	+27.4	+76.9	+61.2
Non-ferrous metal products	+ 1.1	+39.9	+ 58.0	+13.0	+59.0	+45.8
Electrical apparatus and supplies	+26.7	+79.5	+110.9	+34.3	+88.3	+77.7
Non-metallic mineral products	+38.8	+96.0	+ 88.6	+25.2	+77.8	+76.6
Products of petroleum and coal	+26.2	+73.7	+ 97.6	+20.7	+75.2	+91.3
Chemicals and allied products	-32.6	- 6.0	+ 17.8	+24.9	+76.1	+59.3
Miscellaneous industries ⁴	—	—	—	+17.7	+67.7	+61.4

¹ Exclusive of fish processing.

² Newfoundland and "Publishing (only) of Periodicals" are excluded in columns 1, 2 and 3, but are included in columns 4, 5 and 6.

³ Exclusive of Newfoundland in columns 1, 2 and 3; inclusive of Newfoundland in columns 4, 5 and 6.

⁴ Exclusive of "Publishing (only) of Periodicals" in columns 1, 2 and 3.

⁵ Due to the changes of establishments from one industry to another figures for 1949 are not comparable with previous years.

Consumption of Manufactured Products.—One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1957 was \$23,458,088,464, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the

value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, wood and paper, non-ferrous metals, non-metallic minerals, animal and textile products were, in that order, the leading groups in the value of finished products made available for consumption in 1957.

Animal, wood and paper and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textiles, chemicals and non-metallic mineral products in spite of large home production. The expansion of the iron and steel, chemical and non-metallic mineral products industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the future.

Significant changes have taken place since 1939 in the type of manufactured products made available for consumption. In that year, the iron and its products group was in leading position and contributed 19.8 per cent of the total value of

manufactured products. In 1957 this group was still in first place, but the percentage went up to 29.2. The wood and paper products, non-ferrous metals, non-metallic minerals and miscellaneous industries groups also increased their share of the total, while chemicals and allied products remained unchanged. The three mineral groups, combined, increased substantially their share of the total from 35.9 in 1939 to 49.3 in 1957. This indicates a higher standard of living for the Canadian people and also reflects the great expansion and diversification in manufacturing which has taken place since 1939. The industries producing consumer goods, on the other hand, suffered a relative decline. Vegetable products dropped from 19.6 to 13.3, animal products from 11.8 to 9.1 and textiles from 13.3 to 8.1. The following table gives the relative position of the major industrial groups in 1939 and 1957.

Manufactured Products Made Available for Consumption
(Percentage of the total)

Group	1939	1957	Group	1939	1957
Vegetable products	19.6	13.3	Non-ferrous metal products	8.9	10.5
Animal products	11.8	9.1	Non-metallic mineral products	7.2	9.6
Textiles and textile products	13.3	8.1	Chemicals and allied products	5.3	5.3
Wood and paper products	11.6	11.8	Miscellaneous industries	2.5	3.1
Iron and its products	19.8	29.2	Total	100.0	100.0

TABLE 6. Consumption of Manufactured Products, 1928-56, and by Industrial Groups, 1957

Year and group	Value of products manufactured ¹	Manufactured and partly manufactured goods ²		Value of manufactured products available for consumption
		Value of net imports	Value of domestic exports	
dollars				
1928	3,582,345,302	954,387,551	698,376,615	3,838,356,238
1929	3,883,446,116	939,130,201	686,876,071	4,135,700,246
1933	1,954,075,785	298,068,344	365,232,113	1,886,912,016
1939	3,474,783,528	542,364,930	646,853,938	3,370,294,520
1941	6,076,308,124	1,123,994,913	1,292,855,603	5,907,447,434
1942	7,553,794,972	1,283,884,068	2,056,368,079	6,781,310,961
1943	8,732,860,999	1,305,838,746	2,444,862,298	7,593,837,447
1944	9,073,692,519	1,302,413,996	2,668,575,781	7,707,530,734
1945	8,250,368,866	1,117,544,874	2,352,441,796	7,015,471,944
1946	8,035,692,471	1,390,123,100	1,701,677,026	7,724,138,545
1947	10,081,026,580	1,928,250,119	2,124,740,343	9,884,536,356
1948	11,875,169,685	1,869,702,089	2,259,247,456	11,485,624,318
1949	12,479,593,300	2,043,583,929	2,017,055,615	12,506,121,614
1950	13,817,526,381	2,289,162,070	2,239,733,915	13,866,954,536
1951	16,392,187,132	3,034,709,829	2,749,091,256	16,677,805,705
1952	16,982,687,035	3,125,381,333	2,892,543,945	17,215,524,423
1953	17,785,416,854	3,519,418,503	2,781,269,785	18,523,565,572
1954	17,554,527,504	3,239,535,681	2,811,573,960	17,982,489,225
1955	19,513,933,811	3,781,212,944	3,143,126,437	20,152,020,318
1956	21,636,748,986	4,639,037,713	3,261,774,777	23,014,011,922
Industrial groups, 1957 ³				
Vegetable products	2,970,093,020	348,717,922	196,537,562	3,122,273,380
Animal products	2,147,412,244	69,957,577	91,601,137	2,125,768,684
Textiles and textile products	1,600,969,790	331,035,618	25,238,254	1,906,767,154
Wood and paper products	3,952,341,429	211,826,772	1,389,789,134	2,774,379,067
Iron and its products	5,161,099,504	2,047,238,228	366,553,865	6,841,783,867
Non-ferrous metal products	2,761,595,352	411,116,729	702,967,481	2,469,744,600
Non-metallic mineral products	2,094,090,574	306,555,508	148,404,861	2,252,241,221
Chemicals and allied products	1,142,459,633	290,961,786	195,303,193	1,238,118,226
Miscellaneous industries	353,532,765	508,460,462	134,980,962	727,012,265
Totals	22,183,594,311	4,525,870,602	3,251,376,449	23,458,088,464

¹ For 1952 and subsequent years the figures are "selling value of factory shipments" instead of "value of products manufactured".

² Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years: for 1939-57 they are for the calendar year. Net imports are total imports less foreign products re-exported.

³ Consumption figures for the major groups of the Standard Industrial Classification cannot be calculated as statistics of imports and exports are still compiled on the component material classification basis.

SECTION 2. VALUE AND VOLUME OF MANUFACTURED PRODUCTS

Value of Manufactured Products.—In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind. In recent years, due to violent changes in prices, unadjusted value series, used in isolation, have become increasingly inadequate as indicators of economic trends. Of necessity, interest has shifted to measures of volume. The range of prices since 1917, on the base period 1935-39 = 100, was as follows:

Year	General wholesale	Fully or chiefly manufactured products
1917	148.9	150.9
1920	203.2	208.2
1929	124.6	123.7
1933	87.4	93.3
1939	99.2	101.9
1949	198.3	199.2
1957	227.4	237.9

Volume of Manufactured Products.—Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, and not whether they are expending more dollars and cents. The field of industrial production, because of its dominating position in the national economy, has attracted increasing attention. This, in turn, has resulted in the need for more accurate measurements of physical output.

During the past few years, the Business Statistics Section of the Bureau's Research and Development Division has been engaged in the reconstruction of the Index of Industrial Production. The revised indexes with 1949 as the base year are given in Tables 8, 9 and 10. The project consisted mainly of establishing annual gross and net levels of production for each industry from census of industry data and of improving the reliability of the current monthly series. For a description of the methods used in constructing the indexes and a description of its scope, see D.B.S. Reference Paper No. 34 "Revised Index of Industrial Production, 1935-1951"

The construction of this index was made possible by the availability of a great deal of basic data. Annual statistics valuable for this project have been collected by the Bureau without interruption from the end of the first World War to the present, and the scope of the monthly information has been greatly expanded. Applying the methods developed through the experience of the last quarter century, it has been possible to compute an index with a fair measure of accuracy from 1935 to the present.

Prior to the end of the first World War, the movement of industrial production was regarded as following the output of a few factors such as pig iron. The introduction of the index number placed the information on a much wider base. It is safer to base one's impression of the current trend upon a comprehensive index embracing a wide range of economic factors than upon any limited group of components that necessarily fluctuate according to particular influences.

An index of this kind offers considerable advantage in analyzing social and economic problems. The greatest call for the index is for the interpretation of current economic conditions. It is particularly relevant in the study of business fluctuations. While the index is based on the sectors of the economy that are particularly sensitive to short term influences, it also reflects a large part of the variations in the total of all economic activity. The output of mines and factories plays a dominant part in economic fluctuations and is closely associated with transport and trade which are mainly concerned with the distribution of commodities. The barometric nature of the industrial sector enhances the value of the index as an indicator of short-term movements but its usefulness in the interpretation of long-term economic developments should not be overlooked.

The Canadian annual Census of Industry, from which final benchmark indexes are computed, covers practically all establishments, but excludes work in the home. In the matter of repairs, the census of manufactures generally excludes work performed in connection with a service trade such as boot and shoe and automobile repairs. However, the census covers repairs carried on essentially under industrial con-

ditions, such as ship and locomotive repairs. Consequently only industrial-type repairs are included in the index.

The framework of the revised index is based on the new Standard Classification of Industries prepared by an inter-departmental working committee. The preceding system used by the Bureau of Statistics was of a three-fold nature based on (1) chief component material; (2) purpose and (3) origin. The first principle was used most extensively, the criteria of purpose and origin having been used for the presentation of supplementary series which played a secondary role in Bureau publications.

The main innovation introduced in the Standard Classification was the compromise between the different principles. In recent years, Canada's industrial system has undergone considerable development, from a country primarily concerned with the early stages in the processing of primary materials to one that is turning out more and more goods for final consumption. Consequently, in establishing the new classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. The purpose phase was regarded as most appropriate for the wide range of consumer goods such as clothing and foods and beverages.

The industries grouped under the component material phase of the classification from 1935 to 1948 were re-arranged to conform with the standard model. As most of the industries were not greatly affected by the change in classification they were transferred intact to the proper position in the new system. The standard classification, for the most part, provided for comparability at the industry level. It was applied to establishments for the first time in the 1949 census of manufactures. In a number of industries, where the change in classification seriously disturbed the continuity, establishments were re-combined for the whole period covered by the index. The manufacture of synthetic rubber, for example, was transferred from the rubber industry to "miscellaneous chemicals". Plants engaged in the production for distribution of manufactured gas were transferred from "coke and gas" to the gas and electricity division. The salt industry was adjusted so as to comprise only processing operations for inclusion in the manufacturing division of the index. Three minor industries which were re-classified to non-industrial groups were dropped from the computation.

The appropriate series in the manufacturing division were re-classified to obtain sub-indexes of economic significance. The movement of durable goods normally varies from that of non-durables. There tends to be greater fluctuation in durables from prosperity to depression, the demand for non-durables being more constant. The manufacturing division was therefore divided, at the major group level, as between durable manufactures and non-durable manufactures. Although these groupings are rather rough and ready, they are of great use in economic analysis. The classification into producers' and consumers' goods, attempted in some countries, involves more difficulty as many intermediate commodities have alternate uses, and was not attempted here.

Volume of Production, 1923-35.—The indexes of volume of production, 1923-1935 given in Table 7 below were constructed in the General Manufactures Section of the Industry and Merchandising Division for the years 1923 to 1946. On comparing the index for 1935 given in Table 7 which stood at 87.9 with the new index for 1935 at 86.6 on the 1935-39 base, it would appear that for the back years little significant variation existed between the two series. The indexes in Table 7 may therefore be used in evaluating the changes in the volume of manufacturing production between 1923 and 1935.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would therefore be about 11 p.c. The increase in exports was about 3.6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada. From a high of 101.4 in 1929 the volume of production declined to 67.6 in 1932 and climbed again to 87.9 in 1935.

TABLE 7. Indexes of the Volume of Manufacturing Production, According to the Component Material Classification, 1923-35
(1935-39=100)

Year	Vegetable	Animal	Textiles	Wood and paper	Iron	Non-ferrous metal	Non-metallic mineral	Chemicals	Miscellaneous	All industries
1923.....	62.6	75.0	64.3	65.1	81.5	42.7	81.8	59.2	99.5	67.5
1924.....	67.8	80.4	62.1	64.0	68.6	46.4	78.9	60.5	95.0	66.3
1925.....	75.1	84.8	66.5	69.0	79.9	52.5	80.3	64.8	94.5	72.5
1926.....	80.2	92.2	75.8	78.1	102.6	58.6	89.6	70.5	104.4	82.5
1927.....	84.9	90.0	81.4	84.1	104.1	67.6	102.3	75.2	114.2	87.9
1928.....	93.5	92.9	87.0	92.5	117.1	75.3	116.3	82.7	110.5	95.8
1929.....	96.4	87.9	86.1	99.6	133.4	81.3	137.1	84.8	105.6	101.4
1930.....	91.6	85.3	80.0	92.1	108.6	76.8	122.9	74.9	87.8	91.9
1931.....	83.4	77.4	78.2	76.6	82.8	73.1	105.6	69.2	80.0	79.9
1932.....	74.1	76.7	74.6	68.0	53.5	58.9	75.1	66.0	75.8	67.6
1933.....	72.8	79.6	81.1	69.6	50.2	57.6	68.8	69.9	71.9	67.7
1934.....	82.4	86.5	89.5	81.5	67.6	70.8	82.5	79.3	85.2	79.6
1935.....	87.0	91.3	94.5	89.5	83.4	81.2	88.1	87.2	91.1	87.9

Volume of Production, 1935-57.—The period covered by this report was characterized by unprecedented industrial expansion. Emerging from a depression practically world-wide in scope, industrial operations in this country entered a period of rapid growth which was maintained throughout the war and post-war years without important interruption.

A problem confronting business economists is to determine how much of the post-war industrial "drive" was due to normal growth factors and how much of it was caused by the backlog of war accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durables, non-durables such as textiles and clothing also started the post-war period with a sizeable backlog of unfilled demand. It is now becoming apparent, after the vigorous pace of business following the outbreak of hostilities in Korea, that a considerable portion of this demand has been satisfied and some industries, notably textiles, clothing, agricultural implements and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The high level of capital investment during the past few years which increased productive capacity, is beginning to be reflected in current production statistics. Huge expansion and development programmes are still under way in iron ore, aluminum and other metals, oil, chemicals, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should still exert some influence on the economic picture.

The volume of output of manufactures rose steeply after the outbreak of hostilities in 1939. Productive facilities

responded quickly to the urgent requirements of the armed forces. In the early days of the war, production assignments allotted were comparatively simple, but as the pre-war weapons became obsolete and as Canada proved herself capable of turning out larger and more complex equipment, the assignments constantly shifted, changed and grew more difficult. The production figures merely suggest the magnitude of the achievement. They cannot describe the tremendous effort needed to convert a semi-agricultural country into a wartime arsenal nor the complications which arose because of shortages of man-power, tools and materials.

The productive peak was reached in 1944, when weapons, supplies and equipment were rolling off the assembly lines at record-breaking pace. The end of hostilities and the subsequent reconversion to peace-time production were attended with declines in output in 1945 and 1946. The upward trend was resumed, however, in 1947. The rate of advance slackened moderately in 1948 and 1949 but regained most of its 1947 impetus in 1950 when the renewal of hostilities in Korea resulted in heavy anticipatory buying on the part of consumers and in growing expenditures for national defence. A remarkable feature is that in 1953 the index of the volume of manufacturing production which stood at 126.4 had surpassed the record wartime level of 106.1 established in 1944. The following year there was a minor recession and the index dropped to 122.9. With the upturn in economic activity during 1955 and 1956 the index rose again to an all-time high of 145.1, exceeding the previous high of 1953 by 14.8 p.c. The downturn in manufacturing activity in 1957 resulted in another minor decline, with the index dropping to 142.5.

TABLE 8. Indexes of the Total Volume of Manufacturing Production, Classified on the Basis of Durable and Non-Durable Goods, 1935-57

(1949=100)

Year	All manufactures	Non-durable manufactures	Durable manufactures	Year	All manufactures	Non-durable manufactures	Durable manufactures
1935.....	39.0	44.1	32.7	1947.....	93.2	93.2	93.3
1936.....	43.0	48.1	36.9	1948.....	97.3	96.3	98.4
1937.....	49.2	52.8	44.9	1949.....	100.0	100.0	100.0
1938.....	45.3	49.0	40.9	1950.....	106.2	106.0	106.5
1939.....	48.7	53.7	42.7	1951.....	115.0	110.8	119.9
1940.....	60.4	61.6	59.3	1952.....	118.5	113.2	124.8
1941.....	78.7	73.7	85.8	1953.....	126.4	120.2	133.6
1942.....	96.1	84.3	112.1	1954.....	122.9	121.2	124.8
1943.....	104.0	85.9	128.2	1955.....	134.7	130.4	139.7
1944.....	106.1	89.5	128.3	1956.....	145.1	138.1	153.3
1945.....	92.9	88.2	99.8	1957.....	142.5	139.3	146.2
1946.....	85.2	89.8	79.9				

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly smoother than in the durable sector. Except for two years, 1938 and 1945, there has been no interruption in the upward movement of production during the period under review. Despite the fact that war contracts quickened the pace of output in some of the industries, production continued to expand after the war, although at a slower rate. Unlike durable goods, non-durable commodities are mostly consumers' goods and are less influenced by sudden changes in the international

situation or the capital investment programmes of producers and governments. By 1957 the non-durables index of output had reached 139.3, the highest on record.

The production of **Processed Foods and Beverages** rose practically without pause throughout the period. A characteristic of most industries processing foods is the high ratio of the value of materials consumed to the value of products, indicating a relatively low degree of fabrication per unit of output. The volume of processed foods manufactured increased by a third since 1949 as compared with an increase of 23 p.c. in

population. The per capita increase in the use of processed foods is due mainly to the high level of economic activity with the resultant increase in personal income during the period. All industries in the food group, with the exception of flour mills, reported increased volume since 1949, ranging from a high of 67.7 p.c. for fruit and vegetable preparations to a low of 9.9 p.c. for confectionery. The decline of 11 p.c. in the output of the flour milling industry is due to a decline in export shipments and not to a drop in domestic consumption. In all probability the consumption domestically of flour and other products of the industry increased as well.

The advance in the production of **Beverages** was also practically uninterrupted from 1949 to the present. The increase in the volume was 43.2 p.c. which was 10 p.c. higher than the increase in the volume of processed foods. The greatest increase in the beverage group was reported by distilleries with a 70 p.c. increase in volume. This does not represent the increase in the domestic consumption of alcoholic beverages since this industry, too, exports a substantial part of its production, exports of whisky rising from 4,149,473 proof gallons in 1949 to 7,642,050 proof gallons in 1957. The brewing and carbonated beverages industries also reported substantial increases in volume since 1949, the increase being 39.5 and 29.7 p.c. respectively. In the case of these products the increases represent increased consumption in Canada, as the export trade is insignificant. Wine production, after reaching a peak in 1950, dropped about 14 p.c. in the following three years. There was a recovery in 1954 which continued until 1957, with the result that the volume of the industry advanced about 16 p.c. between 1949 and 1957.

The great demand for cigarettes for members of the armed forces during the war contributed largely to the considerable increase in the **Tobacco Products** index which reached the record level of 103.2 in 1945. The index dropped to 90.6 the following year, but rose gradually thereafter to 103.4 in 1950. Weakening demand led to a decline of 8 per cent in 1951. Rapid recovery was made during the next six years with the index rising to 161.0 in 1957, highest on record.

The contribution of the **Rubber Products** industry to the war effort was mainly in the form of tires and tubes for military vehicles and aircraft. Production of passenger car tires and tubes was sharply curtailed as was the output of rubber footwear. After a marked increase in 1941, the index remained more or less stationary at around 85 until 1945 when civilian production was resumed and the index jumped to 102.1. The industry-wide strike in 1946 contributed to a decline in that year, but record-breaking demand for the industry's output led to sharp advances in the following years, and in 1951 the index had reached the maximum level of 124.9. During the next few years the index fluctuated moderately and in 1957 climbed to 147.8.

Output of **Leather Products** rose steadily until 1946 when the index reached a high point of 124.0. The subsequent easing of foreign demand for the industry's products contributed to the gradual decline of production in the post-war period with the result that this group has shown the second smallest growth of any in the manufacturing sector. In 1957, volume of output was only 15.6 per cent greater than in the base period. Production of leather tanneries in 1954 was actually 6.0 p.c. lower than in 1949, while the output of boots and shoes was only 4 per cent higher. Some recovery was made between 1955 and 1957, the output of tanneries increasing 10 p.c. and footwear 21 p.c. over the base period. Since 1946 the overall index of this group dropped 7 p.c.

The **Textile** industries reached their maximum wartime level of output in 1942 when the index stood at 102.0. Production then fell off gradually until 1946 but recovered sharply in the post-war period to an index level of 113.1 in 1951. A slackening of demand for textiles during the next few years saw the index drop to 102.9 in 1952 with another sharp drop to 94.3 in 1954. Of all the industries of the non-durable goods sector, textiles were the hardest hit by the downturn in manufacturing activity in 1954. There was substantial recovery between 1955 and 1957, with the index rising to an all-time high of 117.6. The movement of individual industries within the group varied over the period under review. The greatest advance in volume of production since 1949 was achieved by

the synthetic textiles and silk industry, the index in 1957 standing at 156.6. Miscellaneous textiles which includes cordage, rope and twine as well as carpets, mats and rugs recorded the second highest increase, viz. 21.2 p.c., while cotton goods, after experiencing varied fluctuations in production, ended 1957 with no change in volume, the index being 100, the same as in 1949. Output of woollen goods on the other hand declined by 13.1 p.c., the index in 1957 standing at 86.9.

The trend of production since 1935 was similar for both the cotton and woollen goods industries. Before the war both groups expanded moderately and in both cases a major recession occurred in 1938. With the outbreak of war in 1939 there was a marked increase in production, with record highs being reached in 1942 when the respective indexes were 128.2 and 111.3. There was thus an increase of 63 p.c. in the output of cotton goods and 71 p.c. in woollen goods between 1939 and 1942. With the end of the war the production of both cotton and woollen goods declined sharply to a post-war low in 1954 when the index for cotton goods dropped to 86.7 and for woollen goods to 72.0. Some recovery took place during 1955, 1956 and 1957, the index rising to 100 in the case of cotton goods and 86.9 for woollen goods.

Since 1938 the production index for **Synthetic Textiles** showed an unbroken record of increases and in 1951 stood at 134.0. The adverse conditions prevailing in the textile industry generally during the following few years also affected the output of synthetic textiles so that by 1954 the index stood at 108.7. There was a marked recovery the following year which continued throughout 1956 and 1957. By the end of 1957 the index which reached 156.6 was the highest on record. Much of the credit for increasing consumer acceptance of synthetics belongs to the achievements of research in improving manufacturing and dyeing techniques and in the development of new combinations of various fibres with a new range of qualities and practical applications.

Synthetic fibres are now being used in the fabrication of a host of commodities such as suitings, overcoatings, blankets, carpets, draperies, upholstery products, tire fabrics, etc., in addition to hosiery, dress fabrics and other women's wear. Moreover, Canadian producers are now supplying the bulk of domestic synthetic raw material requirements which were formerly imported from the United States. As a result, new investment outlays by the industry have increased considerably in the post-war period.

The trend in the physical output of **clothing** was similar to that of other textiles, the production index reaching a peak of 100.9 in 1942, then declining gradually until 1945. Since then output fluctuated within narrow limits. For the clothing group as a whole there was an increase of 15.3 p.c. in volume of production since 1949. This is the smallest increase reported by any group in both the durable and non-durable classifications. The leather and textile groups, as mentioned previously, were the only other groups to report such moderate increases in volume. For leather the increase was 15.6 p.c. and for textiles 17.6 p.c. The trend of production varied from industry to industry in the clothing group. The output of knitted goods since 1949 was 26.6 p.c. higher. Men's, women's and children's clothing gained 12.6 p.c. while miscellaneous clothing which includes corsets, fur goods, hats and caps, etc. advanced 10.4 p.c. These increases are significant when compared with the 23 p.c. increase in population during the same period. The industry is now facing keen competition and a more selective retail demand. By improving manufacturing methods and styling, the industry hopes to make available more desirable merchandise at lower prices. Weak demand contributed to a marked decline in the level of new investment in durable physical assets. Funds expended for new plant, machinery and equipment dropped from \$15.7 million in 1949 to an average of \$13.0 million during the next four years. From 1954 to 1957 investment dropped to \$9.9 million per annum.

Production by the industries of the **Paper Products** group expanded almost uninterruptedly during the period under review. The post-war period saw a sharp advance in output, the index rising to 81.0 in 1946 from an annual average of about 55 during the previous decade. From then on there was, with but two exceptions, a continuous expansion to 135.5 in 1957. Activity in this sector of manufacturing is influenced mainly by the

"Pulp and Paper" industry, which, in terms of value added, is the most important single manufacturing industry. In the last few years, the net value contributed by pulp and paper mills was almost twice that of any other industry. The growth of this industry during the period under review was characterized by two distinct phases. From 1935 to the end of the war, new investment by the industry was designed mainly to replace worn-out machinery and equipment and increases in output were principally the result of utilizing idle capacity after the depression of the thirties. Since 1945, however, with strong world demand for wood pulp and newsprint, together with the availability of necessary materials for expansion, the construction of new plant and the installation of new machinery and equipment reached record proportions. Investment in new plant and equipment, which averaged \$105 million during the previous three years dropped to \$69 million in 1954, a decrease of \$36 million from the record high reported in 1952. Capital investment reached the unprecedented total of \$240 million in 1956 and \$234 million in 1957.

Newsprint, pulp and paper board are the leading products of the pulp and paper industry. Production of newsprint in 1957 totalled 6,361,651 tons of which 5,900,625 tons were exported. Canada is thus the leading exporter of newsprint in the world. World exports of newsprint in 1954 are estimated at 6,788,000 tons, with Canada accounting for 81.3 p.c. of the total. Finland, Sweden and Norway, in the order named, are other substantial exporters of newsprint and between them have accounted for 10.5 p.c. of the total. Newsprint is also Canada's leading export and 1957 was valued at \$715,489,761.

The Printing and Publishing industries expanded very little during the war years. Production grew rapidly after the end of hostilities and in 1957, volume of output was 15.8 p.c. greater than in the five pre-war years, although this represents a substantially smaller advance than total manufacturing. The post-war increase coincided with the gain in the value of new investment which was mainly in the form of machinery and equipment to make up for deficiencies dating back to the depressed thirties and the war years. Investment in fixed assets totalled \$16 million in 1953 and \$30 million per annum in 1954 to 1957 as compared with only about \$2 million in 1944.

With few interruptions, output of Petroleum and Coal products rose steadily over the period under review to an index of 223.5 in 1957. Although the production of coke products in 1957 exceeded its record wartime volume by 15.6 p.c., petroleum refining, as the result of record-breaking post-war demand for gasoline and fuel oils, showed a marked expansion. In 1957

the production index stood at 236.8 compared with a wartime high of 69.0 in 1944. In recent years the industry has added substantially to its refining capacity. From 1947 to 1951 expenditures for new plant, machinery and equipment which averaged more than \$37 million per annum rose to \$84 million during 1952, 1953 and 1954 and to \$111 million in 1955, 1956 and 1957. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1957 oil from domestic wells represented 54 per cent of the total consumed by Canadian refineries. This compares with a contribution of 22 per cent in 1949.

Output of Chemical Products which include ammunition and explosives reached a record-high level in 1944 when the index stood at 143. Production in the post-war period has been at a considerably lower level, but increased significantly since 1950, with the advent of the defence programme. The index in 1957 stood at 182. The expansion of the industry during the war made possible the manufacture of many products which were formerly imported. In addition, several entirely new products, such as synthetic rubber, were introduced. Demand for these commodities continued in the post-war period and the development of new sources of basic materials, together with the progress of research into additional commercial uses for these new compounds resulted in further expansion of production for civilian use.

The rapid wartime advance was mainly the result of the enlargement of the munition programme with the government and private industry combining forces in the construction of a huge explosives and ammunition-filling industry. At its peak in 1943, the production index for Explosives and Ammunition was 20 times higher than in the five year period preceding the war. With the end of the war output dropped very rapidly, the products made being mainly for peace-time use, such as explosives for the mining and construction industries.

Since the Government-owned Polymer Corporation began producing Synthetic Rubber in 1943, output of this important commodity has expanded considerably, to a total of 145,200 tons in 1957. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels since 1950, as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1957, synthetic rubber accounted for 45 per cent of total new rubber consumed in Canada. This commodity is classified to the Miscellaneous Chemicals industry.

TABLE 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-57

(1949=100)

Year	Non-durable manufactures											
	Foods	Beverages	Tobacco and tobacco products	Rubber products	Leather products	Textile products (except clothing)	Clothing (textile and fur)	Paper products	Printing publishing and allied trades	Products of petroleum and coal	Chemicals and allied products	Miscellaneous industries
1935.....	51.2	27.1	31.1	49.8	70.8	49.7	57.2	38.6	50.2	37.8	31.4	31.4
1936.....	56.6	32.1	35.7	54.5	71.1	55.5	60.5	42.4	53.2	40.8	33.7	34.3
1937.....	58.7	37.8	41.4	63.6	78.1	59.8	65.3	48.9	56.5	44.9	39.3	37.1
1938.....	59.0	37.1	45.9	55.0	68.9	48.1	61.3	39.3	52.9	44.4	37.9	36.9
1939.....	63.0	38.7	49.2	60.4	80.3	59.5	67.3	45.2	54.7	48.1	40.7	38.6
1940.....	68.5	45.5	53.1	66.0	85.7	61.8	78.2	54.3	54.6	53.6	49.8	42.6
1941.....	79.5	52.9	61.3	87.5	104.2	91.7	88.4	61.6	60.6	61.1	77.2	60.8
1942.....	83.4	60.8	76.0	85.3	110.8	102.0	100.9	61.5	61.2	59.4	126.5	88.5
1943.....	89.9	56.6	82.3	83.3	111.6	93.8	97.7	60.0	59.7	65.1	135.1	112.1
1944.....	97.7	66.7	89.6	84.4	110.5	87.9	91.7	63.9	61.4	73.6	142.8	113.0
1945.....	98.7	71.8	103.2	102.1	114.5	87.5	91.4	69.1	67.3	71.9	107.1	98.3
1946.....	103.0	82.2	90.6	89.5	124.0	88.7	95.3	81.0	76.9	74.3	87.0	80.2
1947.....	100.4	87.3	93.4	127.4	109.1	94.0	92.2	89.1	83.6	79.8	90.8	84.1
1948.....	99.5	95.3	93.4	116.4	95.5	97.3	97.6	94.9	92.6	89.9	95.7	81.4
1949.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950.....	104.4	102.1	103.4	116.8	95.6	112.5	101.3	109.3	101.5	111.9	107.7	104.8
1951.....	107.0	106.2	95.0	124.9	90.4	113.1	101.2	117.5	105.1	128.5	120.0	119.0
1952.....	112.8	115.5	108.0	118.9	101.0	102.9	111.4	113.4	107.5	140.1	122.3	121.8
1953.....	115.1	124.6	120.3	130.3	106.4	107.9	115.0	118.1	114.7	153.5	139.9	141.1
1954.....	120.2	121.7	124.7	119.2	100.2	94.3	108.9	124.1	121.6	165.0	152.1	134.3
1955.....	125.6	130.6	135.5	141.0	106.9	114.0	112.8	131.0	127.1	188.3	165.5	136.4
1956.....	131.4	138.4	145.9	154.0	115.6	117.3	117.6	137.8	137.3	216.1	174.8	147.0
1957.....	133.2	143.2	161.0	147.8	115.6	117.6	115.3	135.5	138.2	223.5	181.5	153.3

Durable Manufactures

The tremendous increase in physical output during the war years was mostly concentrated in the durable goods sector. When war was declared in September, 1939, there were virtually no armament works, no production of large ships and large planes, no guns, no tanks. Within a few years Canadian plants were turning out naval and merchant ships, warplanes ranging up to the 15-ton Lancaster bomber, military vehicles, millions of rounds of ammunition and hundreds of other war items. By 1944 the volume index of durable manufactures reached a peak of 128.3. During the following two years it declined sharply and stood at 79.9 in 1946. Since then it has regained the lost ground, reaching an all-time high of 153.3 in 1956, 19.5 p.c. above the war-time peak of 128.3. In 1957 there was another minor decline, with the index dropping to 146.2.

The largest gain during the war years occurred in the output of **Transportation Equipment**. Due principally to the tremendous increases in production of ships and aircraft, the index for this group of industries rose to the record level of 236 in 1944, the year of maximum war production. After reaching a post-war low of 81 in 1946, the index rose moderately during the next three years, but, spurred by the great demand for passenger cars and by the renewal of defence production, marked gains were made since 1950, with the index climbing to 165 in 1953. The minor recession in industrial production in 1954 affected this group more than any other. The index dropped to 137, a decline of 16.9 p.c. as compared with the previous year. The recovery in production during the next two years brought the index up to 157.9 in 1956. The minor recession which commenced in the latter part of the year lowered the index to 150.7 in 1957.

The **Iron and Steel** group of industries was also considerably affected by war requirements. As most of the industries in this sector were more firmly established in the pre-war period, they did not expand relatively to the same extent as shipbuilding and aircraft. Production for the group as a whole reached a maximum of 132 in 1943 and with the end of the war dropped to an average of 88. Recovery which commenced in 1947 continued with but few interruptions to an all-time high of 145 in 1956. In 1957 the index slipped to 140. When European supplies were cut off early in the war, the Canadian basic steel industry had to rely on the United States for a greater supply and had to increase its own steel-making capacity to meet abnormal wartime requirements. However, development of the industry did not halt with end of hostilities. Canada's industrialization programme, together with strong post-war demand for consumers' durable goods, led to steady expansion of the industry so that by 1951, the index for the primary iron and steel industry stood at 129. Compared with pre-war, pig iron output had more than tripled, and steel ingot and casting production had risen by 170 and 74 per cent respectively. Due to the contraction in the demand for durable goods in 1954 the index for the group dropped to 95, down to about the 1947 level. Pig iron at 2,211,000 tons was down 27 p.c. and steel ingots at 3,195,000 were 22 p.c. lower. However, rapid recovery was made in 1955 and 1956 when the index rose to 158, thirty per cent above the record war-time high of 122 attained in 1943. Production of pig iron in 1957 totalled 3,718,350 tons and steel ingots and castings 5,068,149 tons. The additional capacity constructed during the past few years should reduce still further the country's dependence on United States imports of finished and semi-finished iron and steel shapes. Indicative of the rapid growth of the industry in recent years is the amount of funds expended for new plant, machinery and equipment. From an average annual expenditure of \$62 million during the previous five years new investment jumped to \$136 million in 1952 and \$114 million in 1953. New investment in 1954 and 1955 averaged \$92 million and in 1956 and 1957 reached the record average of \$171 million per annum.

To meet the need for electrical and radar equipment and signalling devices, the **Electrical Apparatus and Supplies** industry manufactured articles during the war which were previously not made in Canada. Output of civilian radio

receiving sets and appliances was severely curtailed as the industry converted the major part of its productive capacity to the manufacture of war instruments. The production index reached a wartime peak of 86 in 1944 and declined during the next two years. The industry recovered rapidly, however, as a result of accumulated demand for radios, consumers' appliances and heavy electrical equipment, and by 1952 the index had jumped 84 per cent from its 1946 post-war low, to a level of 125. Due mainly to the heavy demand for television sets, the index in 1953 advanced sharply to 151, an increase of 21 per cent over the previous year. The advance continued throughout the next three years and the index rose to an all-time high of 191 in 1956. Following the general trend of moderate declines in the output of durable goods, the index slipped to 181.5 in 1957.

Production in the **Non-ferrous Metals** group of industries reached a wartime maximum in 1943 when the net index stood at 146. During the next three years, output dropped 44 per cent, but recovered steadily thereafter, backed by sustained demand for base metals. In 1957 the index stood at 129, a decrease of 11.7 p.c. from the war-time high of 146. Aluminum which is an important component of the group is being fabricated into an ever-increasing variety of commodities, and production of aluminum bars and rods, sheets, shapes, etc., reached record proportions in the post-war period. During the war years, aluminum sheet production was of a strong alloy type used principally in aircraft construction and required more fabrication than the regular type of sheet used in the production of cooking utensils and other civilian items.

Military requirements did not affect the nature of output in the **Non-metallic Mineral** products group of industries. In war or peace, the bulk of production consists of construction materials such as cement, cement products, building brick, lime and gypsum products, glass, stone products, etc. During the war, under government control, a major proportion of these industries' products were channelled into construction of new war production plants, extensions to pre-war plants, housing for war workers and the building of training and operation facilities for the armed services. No serious reconversion problems were encountered by the non-metal industries immediately following the war. After a slight pause, following the peak of wartime output, plants turned their productive capacity towards meeting the unprecedented demands of the post-war construction boom. From a wartime maximum of 69 in 1943, the volume index dropped moderately in 1944 and 1945, but rose steeply in succeeding years to reach the record level of 193 in 1957.

In the durables sector, the **Wood-using** industries were the least affected by the war. The volume of output of wood products expanded steadily without serious interruption throughout the war and post-war years. In 1953 the index stood at 125, the highest on record. In 1954 the index declined fractionally to 124, but advanced sharply the following two years to an all-time high of 138 in 1956. In 1957, due to the continued decline in exports, the index dropped to 125, the 1953 level. The two most important industries are "sawmills" and "furniture". The index representing the former, after reaching a war-time maximum of 90 in 1942, declined considerably in 1943, and hovered around 79 during the next two years. Beginning in 1946 output rose sharply, spurred by strong foreign demand for sawn lumber, and by 1955 the index had advanced to 134, the all-time high. Exports of planks and boards, shingles, veneer and plywood were considerably lower in 1956 and 1957. This is reflected in the moderate decline of the index to 131 in 1956 and a sharper decline to 115 in 1957. Production in the furniture industry expanded throughout the period under review. The great increase in residential construction in the post-war period, together with the marked gain in new family formations created a boom for producers of house furnishings. Output of furniture jumped sharply in the three years immediately following the end of the war and rose more gradually during the subsequent years. After reaching an all-time high of 141 in 1956, the index declined to 134 in 1957.

TABLE 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-57

(1949 = 100)

Year	Durable manufactures					
	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
1935	42.3	29.2	34.2	40.1	22.9	24.6
1936	47.5	33.8	35.5	46.7	25.0	29.8
1937	53.6	42.9	43.4	54.4	32.5	38.2
1938	50.7	36.6	38.1	55.8	28.0	34.3
1939	54.0	39.1	37.7	58.4	28.4	35.7
1940	65.5	58.9	61.1	70.5	41.9	45.0
1941	74.5	86.4	106.1	98.9	61.8	60.1
1942	77.4	114.7	157.1	130.4	74.9	68.2
1943	73.6	131.6	198.4	145.6	85.0	68.8
1944	76.1	118.4	235.7	130.9	85.5	66.8
1945	77.2	96.3	157.0	98.8	70.7	63.7
1946	86.8	80.8	80.6	81.8	67.7	72.0
1947	98.2	93.6	95.3	89.6	89.6	86.3
1948	100.6	101.5	97.2	99.2	91.5	92.2
1949	100.0	100.0	100.0	100.0	100.0	100.0
1950	108.2	102.5	108.3	104.0	112.5	111.0
1951	114.8	117.0	131.3	114.1	120.7	119.8
1952	115.8	118.9	149.1	112.2	124.5	122.8
1953	125.4	115.3	165.2	120.1	150.9	139.2
1954	124.2	106.2	137.3	117.0	151.7	146.1
1955	136.4	123.8	145.1	127.5	176.2	171.1
1956	138.3	145.3	157.9	133.0	191.3	191.5
1957	125.2	139.7	150.7	128.6	181.5	193.3

SECTION 3. PRODUCTION BY INDUSTRIAL GROUPS AND INDIVIDUAL INDUSTRIES**Subsection 1. Manufactures Grouped on the Standard Classification Basis**

In interpreting the statistics of individual industries, it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry, amounting to \$104,853,748 in 1950, does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product is confectionery had a value of production of \$104,853,748. This figure, in addition to confectionery, includes all the subsidiary products made by these firms such as ice cream which was valued at \$2,214,689 and bread and other bakery products valued at \$2,457,312. Confectionery is also produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to "The Alphabetical List of Products" published annually as Appendix II to this report.

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Table 11 presents for the year 1957 detailed statistics regarding the individual industries under which all industrial plants in Canada are classified. The industries are further assembled under seventeen main groups according to the Standard Industrial Classification.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1957

No.	Province, industry and group	Establishments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
Province								
1	Newfoundland.....	916	1,984	329	7,010,203	7,146	1,014	25,773,512
2	Prince Edward Island.....	193	315	89	932,042	886	373	2,346,780
3	Nova Scotia.....	1,356	3,999	1,254	17,775,461	22,582	3,695	72,859,154
4	New Brunswick.....	981	2,564	828	12,174,704	14,929	2,664	48,310,603
5	Quebec.....	12,250	71,762	27,165	435,933,580	257,141	93,315	1,041,894,756
6	Ontario.....	13,580	112,853	46,914	743,110,040	389,755	94,723	1,687,566,424
7	Manitoba.....	1,590	6,756	2,614	37,153,699	26,687	7,847	103,046,557
8	Saskatchewan.....	844	2,434	870	12,031,464	7,703	1,005	28,843,885
9	Alberta.....	1,893	7,257	2,420	39,025,167	25,666	3,746	98,052,271
10	British Columbia.....	4,250	16,322	5,107	98,069,454	74,753	9,449	307,060,478
11	Yukon and Northwest Territories.....	22	36	12	185,935	100	18	471,830
12	Canada	37,875	226,282	87,602	1,403,401,749	827,328	217,849	3,416,226,250
Industrial group								
13	Foods and beverages.....	8,536	27,747	11,623	154,082,898	115,119	37,688	435,942,217
14	Tobacco and tobacco products.....	49	866	451	6,803,127	3,269	5,319	26,519,694
15	Rubber products.....	88	3,798	1,618	25,121,531	13,216	3,546	58,068,049
16	Leather products.....	624	2,682	1,285	16,690,724	15,108	12,024	61,077,759
17	Textiles.....	929	8,931	4,385	58,616,077	35,371	19,825	142,962,735
18	Knitting mills.....	310	1,397	1,104	9,987,920	5,811	13,349	40,228,838
19	Clothing.....	2,550	7,407	4,617	53,522,405	21,798	57,292	165,436,647
20	Wood products.....	10,796	20,210	3,745	78,122,416	97,304	5,580	290,537,752
21	Paper products.....	582	13,007	4,916	98,779,660	67,945	8,415	304,506,631
22	Printing, publishing and allied industries.....	4,584	18,581	11,709	112,597,873	35,410	8,859	161,857,091
23	Iron and steel products.....	3,073	34,256	11,389	216,750,231	146,040	6,870	590,342,669
24	Transportation equipment.....	623	26,796	7,302	170,035,056	107,008	3,533	421,426,325
25	Non-ferrous metal products.....	592	9,497	2,844	61,883,391	39,503	2,737	166,384,997
26	Electrical apparatus and supplies.....	486	20,056	7,295	136,698,199	38,585	15,494	189,718,448
27	Non-metallic mineral products.....	1,231	6,117	1,837	36,136,071	30,239	1,927	114,177,114
28	Products of petroleum and coal.....	106	5,097	1,622	36,359,391	10,968	70	52,328,383
29	Chemicals and allied products.....	1,137	13,984	6,954	98,996,943	28,080	5,690	123,047,546
30	Miscellaneous industries.....	1,579	5,851	2,906	38,217,836	16,554	9,631	71,663,355
1. Foods and beverages:								
Bakery products:								
31	Biscuits.....	44	433	291	3,015,332	2,338	3,183	12,738,137
32	Bread and other bakery products.....	2,635	3,917	1,410	16,805,348	22,708	7,408	82,972,495
Beverages:								
33	Breweries.....	57	1,484	462	10,960,953	6,427	40	26,042,193
34	Carbonated beverages.....	536	1,885	692	10,974,072	4,762	391	13,407,587
35	Distilled liquors.....	21	738	345	5,199,361	2,677	1,490	14,775,301
36	Wines.....	19	126	46	1,066,314	302	44	1,154,885
Canning and processing:								
37	Fish processing.....	426	1,266	333	5,717,300	8,167	3,519	21,899,600
38	Fruit and vegetable preparations.....	430	2,126	1,150	12,751,988	7,415	7,051	30,959,751
Dairy products:								
39	Butter and cheese.....	1,322	3,082	1,748	14,930,540	14,812	742	49,150,439
40	Cheese process.....	13	207	65	1,381,980	489	342	2,584,055
41	Concentrated milk products.....	29	198	101	1,214,108	1,223	61	4,068,541
42	Dairy products, other.....	39	137	70	867,450	431	128	1,685,775
43	Milk pasteurizing plants.....	646	1,271	426	6,282,648	6,699	108	22,509,026
Grain mill products:								
44	Feeds, stock and poultry, prepared.....	855	1,473	463	5,986,664	4,439	138	12,211,282
45	Feed mills.....	545	575	59	1,346,402	900	5	1,885,527
46	Flour mills.....	73	964	424	5,374,714	2,892	137	9,839,511
47	Foods, breakfast.....	17	163	97	1,149,590	734	408	3,334,979
Meat products:								
48	Animal oils and fats.....	17	57	19	379,439	270	1	892,770
49	Sausage and sausage casings.....	102	305	103	1,811,649	961	512	4,137,707
50	Slaughtering and meat packing.....	160	4,248	1,422	25,058,220	15,817	3,604	69,372,615
Other food industries:								
51	Confectionery.....	213	774	604	5,412,515	3,665	4,977	19,756,591
52	Macaroni and kindred products.....	18	53	24	417,200	406	209	1,407,435
53	Sugar refining.....	11	443	106	2,796,130	2,502	255	9,337,375
54	Miscellaneous food preparations.....	308	1,822	1,163	13,242,981	4,083	2,935	19,318,640
55	Totals	8,536	27,747	11,623	154,082,898	115,119	37,688	435,942,217
2. Tobacco and tobacco products:								
56	Tobacco, cigars and cigarettes.....	33	686	427	5,711,220	2,582	4,677	23,638,512
57	Tobacco processing and packing.....	16	180	24	1,091,907	687	642	2,881,182
58	Totals	49	866	451	6,803,127	3,269	5,319	26,519,694
3. Rubber products:								
59	Rubber goods, including footwear.....	88	3,798	1,618	25,121,531	13,216	3,546	58,068,049
60	Totals	88	3,798	1,618	25,121,531	13,216	3,546	58,068,049

See footnotes at end of table.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1957

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
10,473	32,783,715	7,353,052	53,995,122	56,543,792	117,713,795	1
1,663	3,278,822	409,434	18,315,249	6,579,507	24,952,853	2
31,530	90,634,615	16,056,542	238,286,745	175,682,924	427,299,045	3
20,985	60,485,307	14,136,491	174,741,863	123,547,460	311,795,501	4
449,383	1,477,828,336	187,181,272	3,570,908,799	2,947,897,608	6,679,595,056	5
644,245	2,430,676,464	246,825,902	5,827,317,500	5,047,710,789	11,078,592,683	6
43,884	140,200,256	13,894,544	379,799,214	273,162,757	664,529,736	7
12,012	40,875,349	9,031,509	189,106,737	109,598,807	306,115,112	8
39,089	137,077,438	15,844,400	461,134,040	312,037,090	784,480,512	9
105,631	405,129,932	44,399,471	985,519,123	767,914,301	1,785,298,750	10
166	657,765	179,171	1,627,311	1,409,691	3,221,268	11
1,359,061	4,819,627,999	555,311,788	11,900,751,703	9,822,084,726	22,183,594,311	12
192,177	590,025,115	66,980,411	2,704,377,446	1,437,422,949	4,171,971,292	13
9,905	33,322,821	844,614	160,710,422	88,283,832	249,734,356	14
22,178	83,189,580	4,961,524	144,246,768	176,456,204	326,091,308	15
31,099	77,768,483	2,344,793	122,529,541	116,139,080	238,789,101	16
68,512	201,578,812	15,395,378	412,433,901	330,984,539	747,666,541	17
21,661	50,216,758	1,965,702	88,782,156	84,147,853	172,161,757	18
91,114	218,959,052	3,369,336	398,406,332	352,614,117	749,628,477	19
126,839	368,660,168	20,157,246	730,076,145	585,783,470	1,325,170,860	20
94,283	403,286,291	113,102,362	883,394,993	877,985,557	1,865,719,185	21
74,559	274,454,964	5,922,104	245,024,240	481,737,438	731,199,828	22
198,555	807,092,900	65,277,137	1,386,920,624	1,476,346,128	2,912,148,078	23
144,639	591,461,381	22,280,907	1,288,242,648	956,075,551	2,269,202,982	24
54,581	228,268,388	65,501,407	1,014,145,515	603,099,206	1,683,382,440	25
81,432	320,416,647	9,525,064	498,242,643	568,587,265	1,078,212,912	26
40,120	150,313,185	51,969,130	209,981,914	340,621,267	602,164,737	27
17,757	88,687,774	59,084,998	898,830,429	534,093,249	1,491,925,837	28
54,708	222,044,489	42,101,741	565,746,391	605,273,621	1,203,411,197	29
34,942	109,881,191	4,527,934	148,659,593	206,433,400	355,013,423	30
6,245	15,753,469	1,128,909	38,804,082	38,152,436	78,202,784	31
35,443	99,777,843	11,395,696	155,755,549	163,882,067	331,131,927	32
8,413	37,003,146	3,252,200	59,229,700	169,990,773	231,116,361	33
7,730	24,381,659	3,771,113	45,382,195	90,499,808	139,504,272	34
5,250	19,974,662	2,795,079	52,087,555	98,835,527	148,434,888	35
518	2,161,199	177,050	5,881,238	9,603,191	15,190,809	36
13,285	27,616,900	2,960,400	97,969,300	51,207,403	150,708,000	37
17,742	43,711,739	3,689,715	173,507,528	105,081,914	265,469,913	38
20,384	64,080,979	9,425,928	352,690,914	112,483,561	469,851,749	39
1,103	3,968,035	184,817	23,876,372	5,382,483	29,512,315	40
1,583	5,282,649	1,856,566	70,660,108	19,021,624	89,435,958	41
766	2,553,225	377,180	7,055,932	5,540,243	12,944,902	42
8,504	28,791,674	3,932,336	87,940,469	47,389,578	139,229,130	43
6,513	18,197,946	3,490,812	167,659,149	47,545,619	219,238,671	44
1,539	3,231,929	763,827	22,592,273	6,377,286	29,795,069	45
4,417	15,214,225	1,775,220	168,634,527	34,189,050	204,376,285	46
1,402	4,984,569	449,772	13,352,637	18,622,667	32,527,185	47
347	1,272,209	366,112	2,792,703	2,813,567	5,933,578	48
1,881	5,949,356	560,666	21,852,464	11,738,909	33,951,627	49
25,091	94,430,835	5,949,225	720,777,919	181,608,709	907,088,241	50
10,020	25,169,106	1,494,587	68,862,131	63,879,118	133,719,169	51
692	1,824,635	208,379	6,995,205	6,038,101	13,293,796	52
3,306	12,133,505	3,078,050	12,378,384	40,922,833	155,022,877	53
10,003	32,561,621	3,896,772	227,639,112	106,615,482	336,291,786	54
192,177	590,025,115	66,980,411	2,704,377,446	1,437,422,949	4,171,971,292	55
8,372	29,349,732	567,793	100,293,925	82,037,358	182,794,564	56
1,533	3,973,089	276,821	60,416,497	6,246,474	66,939,792	57
9,905	33,322,821	844,614	160,710,422	88,283,832	249,734,356	58
22,178	83,189,580	4,961,524	144,246,768	176,456,204	326,091,308	59
22,178	83,189,580	4,961,524	144,246,768	176,456,204	326,091,308	60

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1957 — Continued

No.	Province, industry and group	Estab-lish-ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
4. Leather products:								
1	Footwear, leather	253	1,647	835	10,368,592	9,140	8,624	38,771,391
2	Gloves and mittens, leather	67	136	65	765,252	594	1,018	2,990,583
3	Leather tanning	51	350	118	2,121,630	3,103	303	10,314,965
	Other leather industries:							
4	Belting, leather	11	27	16	176,638	98	7	303,296
5	Boot and shoe findings, leather	30	84	34	466,200	468	151	1,408,966
6	Miscellaneous leather goods, n.e.s.	212	438	217	2,792,412	1,705	1,921	7,288,558
7	Totals	624	2,682	1,285	16,690,724	15,108	12,024	61,077,759
5. Textiles:								
	Cotton goods:							
8	Cotton thread	12	133	96	922,944	195	472	1,447,698
9	Cotton yarn and cloth	51	2,087	1,138	13,281,610	11,798	6,108	43,970,485
10	Miscellaneous cotton goods	14	68	16	507,434	464	82	1,580,431
	Woollen goods:							
11	Woollen cloth	63	512	266	3,298,923	3,100	2,181	12,751,569
12	Woollen yarn	39	238	147	1,542,243	1,380	1,326	6,280,307
13	Miscellaneous woollen goods	33	215	96	1,779,314	1,404	365	5,169,836
14	Synthetic textiles and silk	44	2,845	1,181	17,741,858	8,726	2,499	33,291,888
	Other primary textiles:							
15	Dyeing and finishing of textiles	56	296	90	1,840,382	1,381	260	4,552,684
16	Narrow fabrics	49	168	114	1,200,566	971	974	4,809,771
	Other textile industries:							
17	Automobile accessories, fabric	20	150	71	890,745	288	403	2,112,331
18	Awnings, tents and sails	135	301	127	1,451,044	594	706	2,685,418
19	Bags, cotton and jute	34	136	63	1,034,988	302	603	1,974,246
20	Carpets, mats and rugs	16	190	107	1,532,261	974	527	3,837,650
21	Cordage, rope and twine	16	135	70	1,032,593	703	273	2,916,529
22	Embroidery, pleating, hemstitching, etc.	150	201	89	1,107,897	461	833	2,706,466
23	Oilcloth, linoleum and other coated fabrics ..	17	699	301	5,130,165	1,688	148	6,382,789
24	Miscellaneous textiles n.e.s.	180	557	413	4,261,110	942	2,065	6,492,637
25	Totals	929	8,931	4,385	58,616,077	35,371	19,825	142,962,735
6a. Knitting mills:								
26	Hosiery	137	551	415	3,834,664	2,978	4,789	17,856,879
27	Knitted goods	173	846	689	6,153,256	2,833	8,560	22,371,959
28	Totals	310	1,397	1,104	9,987,920	5,811	13,349	40,228,838
6b. Clothing:								
	Men's, women's and children's clothing:							
29	Clothing, children's, factory	188	447	331	3,495,202	1,268	5,564	12,789,229
30	Clothing, men's, factory	559	2,651	1,630	19,337,456	8,369	19,374	57,787,010
31	Clothing, women's, factory	670	1,822	1,424	16,050,352	5,232	17,714	50,342,701
32	Clothing contractors, men's	153	262	67	1,093,033	1,341	3,471	8,658,178
33	Clothing contractors, women's	143	176	52	732,470	315	2,903	5,032,673
	Miscellaneous clothing:							
34	Corsets	42	311	499	2,921,723	389	2,842	5,797,319
35	Fur dressing and dyeing	16	102	18	748,838	782	157	2,636,590
36	Fur goods	540	1,007	226	4,727,107	2,214	1,289	10,307,339
37	Gloves and mittens, fabric	11	36	33	257,161	93	531	896,612
38	Hats and caps	146	395	209	2,724,588	1,405	2,300	8,169,022
39	Oiled and waterproofed clothing	9	34	13	259,515	100	222	695,723
40	Clothing n.e.s.	73	164	115	1,174,960	290	925	2,324,251
41	Totals	2,550	7,407	4,617	53,522,405	21,798	57,292	165,436,647
7. Wood products:								
42	Furniture	1,962	4,515	1,487	23,806,993	24,399	2,280	74,080,356
	Saw and planing mills:							
43	Flooring, hardwood	27	137	40	867,048	1,242	35	3,195,093
44	Sash, door and planing mills	1,781	3,342	635	13,848,915	14,713	179	39,386,804
45	Sawmills	6,276	9,815	842	25,815,000	39,737	270	117,351,269
46	Veneer and plywood	77	864	242	5,791,621	8,289	1,517	30,309,449
	Other wood industries:							
47	Beekeepers' and poultry men's supplies	8	12	4	30,163	40	2	79,217
48	Boxes and baskets, wood	177	397	96	1,656,141	2,664	356	7,073,223
49	Cooperage	59	106	28	459,416	442	4	1,271,088
50	Excelsior	11	15	8	62,828	73	17	171,617
51	Lasts, trees and shoe findings	15	56	32	371,663	353	167	1,195,571
52	Morticians' goods	59	136	57	782,312	972	172	2,843,855
53	Woodenware	29	66	17	323,616	437	154	1,087,832
54	Wood turning	64	162	50	881,505	1,026	113	2,634,232
55	Miscellaneous wood products n.e.s.	251	587	207	3,425,195	2,917	312	9,858,146
56	Totals	10,796	20,210	3,745	78,122,416	97,304	5,580	290,537,752

See footnotes at end of table.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1957 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
20,246	49,139,983	791,986	69,906,951	73,039,505	142,163,496	1
1,813	3,755,835	77,932	5,712,955	5,624,389	11,115,134	2
3,874	12,436,595	1,137,145	29,656,588	18,563,042	49,132,923	3
148	479,934	28,761	533,764	576,525	1,166,288	4
737	1,875,166	92,093	3,912,962	2,851,855	6,800,408	5
4,281	10,080,970	216,876	12,806,321	15,483,764	28,410,852	6
31,099	77,768,483	2,344,793	122,529,541	116,139,080	238,789,101	7
896	2,370,642	133,619	5,691,064	4,543,661	10,729,590	8
21,131	57,252,095	4,462,797	129,868,827	86,853,081	218,903,437	9
630	2,087,865	148,320	5,724,259	3,405,085	9,346,805	10
6,059	16,050,492	1,275,070	29,000,259	21,361,488	53,131,242	11
3,091	7,822,550	493,671	23,548,281	12,701,563	35,936,789	12
2,080	6,949,150	470,418	15,418,457	14,879,291	29,916,150	13
15,251	51,033,746	5,080,804	79,135,506	85,273,644	163,809,960	14
2,027	6,393,066	876,396	4,282,128	10,394,347	15,153,396	15
2,227	6,010,337	263,367	9,498,017	9,967,917	19,500,458	16
912	3,003,076	119,726	7,084,909	4,858,187	11,990,137	17
1,728	4,136,462	183,117	9,098,407	6,750,421	15,689,203	18
1,104	3,009,234	121,090	21,416,328	5,398,881	26,839,960	19
1,798	5,369,911	414,930	12,293,107	9,352,488	20,978,722	20
1,181	4,009,122	188,283	9,388,918	7,754,766	16,837,764	21
1,584	3,814,363	90,549	2,832,196	6,011,108	8,944,746	22
2,836	11,512,954	634,022	20,694,653	17,862,084	38,903,557	23
3,977	10,753,747	439,199	27,458,585	23,616,527	51,054,625	24
68,512	201,578,812	15,395,378	412,433,901	330,984,539	747,666,541	25
8,733	21,691,543	811,205	26,861,469	34,488,915	62,056,876	26
12,928	28,525,215	1,154,497	61,920,689	49,658,938	110,104,881	27
21,661	50,216,758	1,965,702	88,782,158	84,147,853	172,161,757	28
7,610	16,284,431	242,678	35,109,992	26,015,669	61,139,624	29
32,024	77,124,466	1,050,092	152,560,645	121,064,345	272,425,612	30
26,192	66,393,053	772,903	132,232,239	113,136,082	245,394,628	31
5,141	9,751,211	180,573	1,383,156	11,679,284	13,244,032	32
3,446	5,765,143	113,447	643,902	7,663,655	8,416,634	33
4,041	8,719,042	131,695	11,874,240	17,961,950	29,375,873	34
1,059	3,385,428	122,526	1,248,961	4,909,983	6,299,336	35
4,736	15,034,446	351,586	38,988,557	23,503,600	62,187,649	36
693	1,153,773	21,450	2,130,137	2,205,202	4,291,453	37
4,309	10,893,610	287,346	13,909,642	16,798,198	30,862,665	38
369	955,238	14,693	1,963,282	1,873,635	3,824,273	39
1,494	3,499,211	80,347	6,361,579	5,802,514	12,166,698	40
91,114	218,959,052	3,369,336	398,406,332	352,614,117	749,628,477	41
32,681	97,887,349	3,660,889	151,310,343	152,955,681	307,340,601	42
1,454	4,062,141	249,841	9,714,724	5,716,955	15,509,287	43
18,869	53,235,719	4,049,290	137,792,419	82,654,934	224,579,465	44
50,664	143,166,269	8,407,301	309,580,668	237,700,416	555,688,385	45
10,912	36,101,070	1,643,388	66,161,177	53,565,193	121,159,762	46
58	109,380	9,631	214,997	167,767	386,163	47
3,513	8,729,364	507,708	12,772,449	13,686,090	26,850,510	48
580	1,730,504	129,625	4,280,724	2,293,820	6,730,691	49
113	234,445	25,308	265,237	313,691	625,939	50
608	1,567,234	46,830	1,601,138	2,631,672	4,288,129	51
1,337	3,626,167	164,192	4,644,826	5,428,518	10,242,159	52
674	1,411,448	82,309	1,833,254	2,028,418	3,869,909	53
1,353	3,515,737	169,275	4,558,169	4,967,611	9,789,961	54
4,023	13,283,341	1,011,659	25,346,020	21,674,704	48,109,899	55
126,839	368,660,168	20,157,246	730,076,145	585,783,470	1,335,170,860	56

See footnotes at end of table.

**TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value added and Shipments
of the Manufacturing Industries, 1957 — Continued**

No.	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
8. Paper products:								
1	Boxes and bags, paper	220	2,128	1,027	13,434,751	8,208	4,578	39,191,103
2	Pulp and paper	128	8,808	2,687	70,381,212	53,448	997	237,266,637
3	Roofing paper	25	710	283	4,791,409	1,431	67	4,871,541
4	Miscellaneous paper goods	209	1,361	919	10,192,288	4,858	2,773	23,177,350
5	Totals	582	13,007	4,916	98,779,660	67,945	8,415	304,506,631
9. Printing, publishing and allied industries:								
Commercial printing:								
6	Printing and bookbinding	1,892	4,803	2,196	28,499,744	14,501	5,452	63,939,445
7	Trade composition	51	184	58	1,105,301	844	26	3,364,709
Engraving, stereotyping and allied industries:								
8	Engraving, stereotyping and electrotyping	154	628	319	4,835,577	3,150	521	16,479,384
9	Lithographing	91	669	364	5,193,328	2,639	964	13,108,210
Printing and publishing:								
10	Printing and publishing	773	9,384	5,374	57,637,519	14,276	1,896	64,965,343
11	Publishing (only) of periodicals	1,623	2,913	3,398	15,326,404	—	—	—
12	Totals	4,584	18,581	11,709	112,597,873	35,410	8,859	161,857,091
10. Iron and steel products:								
13	Agricultural implements	70	1,992	532	11,233,752	7,624	123	28,044,364
14	Boilers, tanks and platemwork	102	1,964	625	11,627,923	6,609	28	26,619,950
15	Bridge and structural steel work	58	3,020	663	19,079,925	12,279	12	51,876,343
16	Castings, iron	201	2,159	731	13,877,415	13,633	254	53,378,309
17	Hardware, tools and cutlery	419	2,095	1,037	14,961,237	9,327	1,393	37,453,605
18	Heating and cooking apparatus	118	1,692	719	10,747,789	6,243	225	21,414,672
19	Machinery, household, office and store	70	1,667	764	10,544,147	6,248	986	25,340,641
20	Machinery, industrial	360	6,572	2,334	38,726,472	18,158	627	70,465,746
21	Machine shops	656	1,488	304	7,218,503	5,773	86	19,334,237
22	Machine tools	12	289	93	1,930,759	1,177	—	4,354,767
23	Primary iron and steel	51	4,303	1,176	31,355,782	30,274	191	139,423,564
24	Sheet metal products	432	3,487	1,279	22,996,254	13,468	1,499	54,113,216
25	Wire and wire goods	141	1,546	625	10,785,572	6,920	741	28,573,937
26	Miscellaneous iron and steel products	383	1,982	507	11,664,701	8,307	705	29,949,318
27	Totals	3,073	34,256	11,389	216,750,231	146,040	6,870	590,342,669
11. Transportation equipment:								
28	Aircraft and parts	70	11,580	3,376	74,218,216	25,926	734	105,480,963
29	Bicycles and parts	5	106	60	732,991	440	53	1,614,670
30	Boat building	206	319	61	1,229,832	1,365	12	4,113,768
31	Motor vehicles	16	6,503	1,713	43,441,992	24,581	396	100,187,882
32	Motor vehicle parts	205	3,314	1,116	22,632,265	13,895	2,101	60,311,610
33	Railway rolling stock	30	2,595	345	14,774,172	24,935	34	89,393,970
34	Shipbuilding	68	2,293	599	12,354,718	15,477	46	58,811,454
35	Miscellaneous transportation equipment	23	86	32	650,870	389	155	1,512,008
36	Totals	623	26,796	7,302	170,035,056	107,008	3,533	421,426,325
12. Non-ferrous metal products:								
37	Aluminum products	94	1,866	851	12,934,113	3,925	275	14,541,248
38	Brass and copper products	160	1,450	591	9,873,957	6,315	469	24,929,506
39	Jewellery and silverware	220	850	424	4,201,857	2,355	1,302	10,370,692
40	Non-ferrous metal smelting and refining	23	4,716	692	29,413,697	24,152	53	105,361,509
41	White metal alloys	61	517	188	3,429,785	1,936	513	7,828,375
42	Miscellaneous non-ferrous metal products	34	298	98	2,029,982	1,820	125	3,353,667
43	Totals	592	9,497	2,844	61,883,391	39,503	2,737	166,384,997
13. Electrical apparatus and supplies:								
44	Batteries	34	443	224	3,285,171	1,279	350	5,663,291
45	Refrigerators, vacuum cleaners and appliances	75	1,688	722	11,087,501	5,155	1,224	22,286,380
46	Machinery, heavy, electrical	78	6,714	2,304	43,099,922	12,808	2,408	59,978,752
47	Telecommunication equipment	127	5,537	1,828	35,904,651	5,826	5,312	32,184,191
48	Miscellaneous electrical apparatus and supplies	172	5,676	2,217	37,320,954	13,517	6,200	69,605,834
49	Totals	486	20,058	7,295	130,698,199	38,585	15,494	189,718,448

See footnotes at end of table.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value added and Shipments of the Manufacturing Industries, 1957 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
15,941	52,625,854	2,059,633	154,308,367	97,119,253	253,497,145	1
65,940	307,627,849	108,636,965	617,175,797	693,475,562	1,411,934,462	2
2,491	9,662,950	778,981	21,303,790	19,148,427	40,935,412	3
9,911	33,369,638	1,626,783	90,607,039	68,242,315	159,352,166	4
94,283	403,286,291	113,102,362	883,394,993	877,985,557	1,865,719,185	5
26,952	92,439,189	2,294,869	91,880,379	151,527,441	244,690,618	6
1,112	4,470,010	70,456	525,833	6,550,224	7,135,954	7
4,618	21,314,961	434,177	7,739,341	32,270,649	40,504,237	8
4,636	18,301,538	372,046	23,968,971	30,108,545	54,135,396	9
30,930	122,602,862	2,750,556	88,247,543	223,553,273	314,344,145	10
6,311	15,326,404	—	32,662,173	37,727,306	70,389,478 ²	11
74,559	274,454,964	5,922,104	245,024,240	481,737,438	731,199,828	12
10,271	39,278,116	1,813,015	59,855,771	58,174,333	122,528,538	13
9,226	38,247,873	1,531,273	62,647,293	57,326,097	121,959,107	14
15,974	70,956,268	2,068,714	117,061,824	112,319,961	231,450,499 ²	15
16,777	67,255,724	4,482,447	142,250,365	133,477,902	276,048,007	16
13,852	52,414,842	2,353,627	59,818,358	98,811,701	159,653,914	17
8,879	32,162,461	1,632,625	59,962,597	57,562,502	119,332,421	18
9,665	35,884,788	1,056,743	68,636,393	75,277,132	142,743,904	19
27,691	109,192,218	3,395,812	153,043,170	210,725,054	363,000,234	20
7,651	26,552,740	1,132,102	22,685,290	39,117,634	62,690,917	21
1,559	6,285,526	186,165	6,000,246	8,616,552	14,989,027	22
35,944	170,779,346	36,755,262	329,582,384	344,565,954	704,565,791	23
19,733	77,109,470	3,396,095	167,831,957	136,675,531	309,498,908	24
9,832	39,359,509	2,160,985	81,652,795	68,653,446	151,238,354	25
11,501	41,614,019	3,312,272	55,892,181	75,042,329	132,448,457	26
198,555	807,092,900	65,277,137	1,386,920,624	1,476,346,128	2,912,148,078	27
41,616	179,699,179	4,831,700	148,546,515	271,064,498	424,442,713 ²	28
659	2,347,661	99,619	2,162,497	4,633,585	6,635,621	29
1,757	5,343,600	193,817	5,555,869	7,588,823	12,885,931	30
33,193	143,629,874	5,855,651	658,913,303	282,786,302	948,596,660	31
20,426	82,943,875	4,669,859	164,311,970	144,243,266	315,395,590	32
27,909	104,168,142	4,415,818	241,830,731	140,475,504	386,722,053 ²	33
18,417	71,166,172	2,123,686	63,941,511	101,093,592	167,158,789 ²	34
662	2,162,878	90,757	2,980,252	4,189,981	7,365,625	35
144,639	591,461,381	22,280,907	1,288,242,648	956,075,551	2,269,202,982	36
6,917	27,475,361	1,852,226	56,190,667	33,953,111	91,818,989	37
8,825	34,803,463	2,442,415	111,347,089	67,852,993	182,396,315	38
4,731	14,572,549	404,516	28,885,750	23,502,638	52,789,040	39
29,613	134,775,206	59,474,791	770,004,696	450,666,165	1,280,145,652 ²	40
3,154	11,258,160	1,008,437	37,734,175	17,856,056	56,969,191	41
1,341	5,383,649	319,022	9,963,138	9,268,243	19,263,253	42
54,581	228,268,388	65,501,407	1,014,145,515	603,099,206	1,683,382,440	43
2,296	8,948,462	565,613	24,573,500	18,030,192	41,678,716	44
8,789	33,373,881	1,678,466	69,421,712	66,172,088	136,487,474	45
24,234	103,078,674	2,500,366	114,474,507	182,442,834	301,241,082	46
18,503	68,088,842	1,268,756	105,999,742	111,127,430	217,726,717	47
27,610	106,926,788	3,511,863	183,773,182	190,814,721	381,078,923	48
81,432	320,416,647	9,525,064	498,242,643	568,587,265	1,078,212,912	49

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1957 — Concluded

No.	Province, industry and group	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
14. Non-metallic mineral products:								
1	Abrasives, artificial	17	465	184	3,731,290	2,112	90	8,937,227
2	Asbestos products	17	382	138	2,112,135	1,537	165	6,199,518
3	Cement, hydraulic	17	382	80	2,626,765	3,049	5	13,042,470
4	Clay products from domestic clay	111	470	103	2,589,879	3,604	62	12,155,226
5	Clay products from imported clay	34	282	90	1,763,672	1,283	356	5,704,201
6	Concrete products	649	1,899	339	9,451,102	8,094	37	27,474,661
7	Glass and glass products	115	896	513	5,904,917	5,482	1,055	22,412,317
8	Gypsum products	12	327	119	1,996,351	1,081	1	3,937,243
9	Lime	39	111	14	468,793	1,029	1	3,526,965
10	Salt	12	189	51	1,116,637	591	44	2,378,666
11	Sand-lime brick	4	15	—	64,279	87	—	319,945
12	Stone products	152	454	121	2,628,582	1,587	13	5,459,559
13	Miscellaneous non-metallic mineral products ..	52	245	85	1,681,669	703	98	2,629,116
14	Totals	1,231	6,117	1,837	36,136,071	30,239	1,927	114,177,114
15. Products of petroleum and coal:								
15	Coke and gas products	22	524	164	2,821,106	2,353	2	10,357,622
16	Petroleum products	64	4,466	1,411	32,863,834	8,364	67	41,023,240
17	Miscellaneous products of petroleum and coal ..	20	107	47	674,451	251	1	947,521
18	Totals	106	5,097	1,622	36,359,391	10,968	70	52,328,383
16. Chemicals and allied products:								
19	Acids, alkalies and salts	54	2,586	738	17,676,020	6,596	61	29,289,621
20	Fertilizers	44	713	159	4,415,344	2,126	13	8,483,923
21	Medicinal and pharmaceutical preparations	207	1,876	1,685	15,751,120	2,303	2,282	12,904,996
22	Paints, varnishes and lacquers	129	1,851	1,004	12,461,952	3,138	323	11,826,378
23	Primary plastics	29	1,031	347	6,919,592	1,989	76	8,790,141
24	Soaps, washing compounds and cleaning prepa- rations	139	984	519	7,269,472	1,796	381	8,141,682
25	Toilet preparations	86	362	461	3,403,817	584	1,022	3,828,634
26	Vegetable oils	11	188	64	1,254,021	401	3	1,409,025
Other chemical industries:								
27	Adhesives	29	132	92	906,711	379	24	1,414,877
28	Coal tar distillation	11	128	33	1,160,986	365	—	1,439,027
29	Gases, compressed	55	624	287	3,043,259	713	4	2,932,787
30	Inks	32	215	107	1,705,048	623	32	2,310,317
31	Polishes and dressings	44	195	188	1,845,996	276	183	1,228,918
32	Miscellaneous chemical products	267	3,099	1,270	21,183,605	6,791	1,286	29,049,220
33	Totals	1,137	13,984	6,954	98,996,943	28,080	5,690	123,047,546
17. Miscellaneous industries:								
34	Brooms, brushes and mops	100	310	191	1,976,042	1,065	534	3,586,351
35	Clocks, watches and watch cases	35	155	120	1,339,609	346	452	2,403,968
36	Fountain pens and pencils	18	176	142	1,475,339	271	556	1,935,514
37	Instruments and related products	78	1,655	671	10,958,944	2,960	1,015	14,549,025
38	Musical instruments	25	131	93	908,300	978	264	3,713,098
39	Ophthalmic goods	37	178	108	1,107,808	520	242	1,923,181
40	Orthopaedic and surgical appliances	37	64	45	410,034	114	155	595,890
41	Plastics products	195	685	332	4,508,386	2,183	1,528	9,387,906
42	Sporting goods	89	258	162	1,542,199	945	595	3,953,229
43	Toys and games	68	171	119	1,311,787	722	1,173	3,807,121
44	Typewriter supplies	9	85	49	638,435	190	111	776,008
Other miscellaneous industries:								
45	Artificial flowers and feathers	42	56	39	316,985	148	248	719,622
46	Buttons, buckles and fasteners	46	205	118	1,553,407	556	733	3,033,691
47	Candles	19	34	22	256,062	122	73	429,634
48	Hair goods	13	19	10	132,440	73	26	236,068
49	Ice, artificial	50	93	29	437,762	312	1	953,656
50	Lamps, electric and lamp shades	70	159	102	948,108	522	457	2,034,684
51	Models and patterns, excluding paper	77	111	17	674,551	472	6	1,895,487
52	Pipes, lighters and smokers' supplies	13	32	22	219,930	64	54	336,065
53	Signs, electric, neon and other	342	730	227	3,972,768	2,295	165	8,255,428
54	Stamps and stencils, rubber and metal	69	180	86	1,178,682	544	147	2,024,524
55	Statuary, art goods, regalia and novelties	143	45	7	651,967	371	269	1,366,769
56	Umbrellas	9	22	7	109,187	17	94	175,130
57	Miscellaneous industries	39	199	150	1,589,104	764	733	3,571,306
58	Totals	1,579	5,851	2,906	38,217,836	16,534	9,631	71,663,355
59	Grand totals, all industries	37,875	226,282	87,602	1,403,401,749	827,328	217,849	3,416,226,250

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1957 — Concluded

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
2,851	12,668,517	5,421,469	20,333,646	24,902,569	51,049,441	1
2,222	8,311,653	853,483	13,693,806	15,275,224	29,988,123	2
3,516	15,669,235	19,692,658	16,193,942	61,192,441	97,079,041	3
4,239	14,745,105	6,020,971	958,936	28,942,251	35,922,158	4
2,011	7,467,873	972,781	6,458,465	13,055,535	19,932,788	5
10,369	36,925,763	5,304,965	79,467,786	77,917,728	162,897,684	6
7,946	28,317,234	4,973,762	34,881,568	51,191,256	90,823,646	7
1,528	5,933,594	1,450,810	12,495,092	15,702,360	29,627,225	8
1,155	3,995,758	4,154,766	1,277,317	12,096,699	17,528,782 ²	9
875	3,495,303	1,141,665	2,501,549	12,198,835	15,842,049	10
102	384,224	57,799	237,864	558,177	868,897	11
2,175	8,088,141	993,863	10,240,047	15,715,533	26,809,997	12
1,131	4,310,785	930,138	11,241,896	11,872,659	23,794,906	13
40,120	150,313,185	51,969,130	209,981,914	340,621,267	602,164,737	14
3,043	13,178,728	6,452,603	66,119,868	32,176,186	104,748,657 ²	15
14,308	73,887,074	52,398,424	827,470,815	496,689,523	1,376,558,762 ²	16
406	1,621,972	233,971	5,239,746	5,227,540	10,618,418	17
17,757	88,687,774	59,084,998	898,830,429	534,093,249	1,491,925,837	18
9,981	46,965,641	20,384,094	95,237,538	104,278,255	215,834,187	19
3,011	12,899,267	3,151,337	47,134,450	35,459,400	83,807,556	20
8,146	28,656,116	1,071,778	42,336,512	97,276,687	140,092,919	21
6,316	24,288,330	1,002,965	65,590,927	64,528,051	131,132,991	22
3,443	15,709,733	1,995,912	48,088,585	42,457,576	91,836,820	23
3,680	15,411,154	1,372,986	49,530,366	69,747,619	118,872,856	24
2,429	7,230,451	181,098	18,532,081	31,173,115	49,838,084	25
656	2,663,046	756,414	50,899,324	8,924,511	60,951,564	26
627	2,321,588	456,150	6,475,344	6,720,361	13,707,648	27
530	2,600,013	770,891	8,200,347	4,809,942	13,663,996	28
1,624	5,976,046	750,304	4,124,884	19,619,406	24,280,515	29
977	4,015,365	136,893	6,935,556	9,972,013	16,912,330	30
842	3,074,914	138,178	10,027,310	12,084,077	22,324,359	31
12,446	50,232,825	9,932,741	112,633,167	98,222,608	220,155,372	32
54,708	222,044,489	42,101,741	565,746,391	605,273,621	1,203,411,197	33
2,100	5,562,393	199,514	9,028,238	9,941,527	19,159,950	34
1,073	3,743,577	56,937	8,813,098	8,588,285	17,086,790	35
1,145	3,410,853	87,765	5,651,632	7,838,336	13,218,019	36
6,301	25,507,969	644,341	28,685,763	51,366,881	79,076,692	37
1,466	4,621,398	178,860	4,771,187	10,025,025	14,763,607	38
1,048	3,030,989	94,343	2,695,569	3,483,058	6,383,521	39
378	1,005,924	31,271	1,213,467	1,606,449	2,843,369	40
4,728	13,896,292	785,699	30,597,158	29,134,357	59,840,459	41
1,960	5,495,428	213,641	6,508,338	10,019,178	16,407,168	42
2,185	5,118,908	241,822	9,932,102	9,949,330	19,811,595	43
435	1,414,443	47,772	3,151,084	3,018,218	6,135,100	44
491	1,036,607	27,487	1,123,129	1,727,223	2,865,924	45
1,612	4,587,098	136,800	5,626,162	7,843,988	13,202,829	46
251	685,696	56,448	1,324,732	1,577,761	2,909,924	47
128	368,508	26,217	831,627	595,815	1,480,658	48
435	1,391,418	501,853	282,405	2,738,815	3,539,897	49
1,240	2,982,792	104,562	6,035,408	5,587,794	11,701,618	50
606	2,570,038	77,359	1,013,168	3,727,839	4,844,492	51
172	555,995	24,797	1,396,815	1,199,639	2,614,558	52
3,417	12,228,196	675,347	10,490,282	19,151,221	30,204,209	53
957	3,203,206	85,594	1,921,079	4,324,681	6,321,795	54
828	2,018,736	75,522	1,802,350	3,158,129	4,980,978	55
140	284,317	9,223	596,454	405,583	1,049,501	56
1,846	5,160,410	144,960	5,168,346	9,426,268	14,570,770	57
34,942	109,881,191	4,527,934	148,659,593	206,433,400	355,013,423	58
1,359,061	4,819,627,999	555,311,788	11,900,751,703	9,822,084,726	22,183,594,311	59

² This industry still reports "Value of production at the factory" and not "Selling value of factory shipments".

Table 12 gives the amount and value of each of the principal commodities produced or shipped by the manufacturing industries of Canada. Commodities produced in small quantities

are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix II of this report.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1957

Note: Since 1952 the basis of collection is "Value of factory shipments" instead of "Gross value of products". However, the commodities marked* are still on a production basis.

	Unit of measure	Quantity	Value \$
Food:			
Biscuits, all kinds	lb.	242,635,871	72,510,280
Bread	ton	826,588	198,515,372
Butter, factory made	lb.	301,228,146	180,443,025
Cheese, factory made	"	176,527,261	62,499,685
Coffee, instant	"	6,182,099	21,495,741
Coffee and tea, blended, roasted and packed	"	119,176,679	115,128,181
Confectionery, all kinds	—	—	92,997,492
Cream, sold by dairy factories	—	—	46,200,237
Feed, chopped grain	ton	526,399	28,662,989
Feeds, stock and poultry, prepared	"	2,577,577	200,922,052
Fish, canned and otherwise prepared	—	—	68,472,000
Flour, wheat	cwt.	36,922,393	155,780,458
Fruits and vegetables, canned	lb.	639,280,783	84,641,580
Fruits and vegetables, frozen	"	61,667,700	11,240,530
Ice cream, factory made	gal.	33,298,147	55,643,254
Jams, jellies and marmalades	lb.	107,778,133	22,144,520
Lard	"	95,230,114	16,552,350
Margarine and margarine substitutes	"	129,893,101	31,167,673
Meats, canned, including poultry, pastes, etc.	"	80,417,299	36,858,719
Meats, cooked, including sausage, weiners, etc.	"	286,808,326	118,505,931
Meats, cured and smoked	"	238,642,874	136,793,120
Meats, sold fresh and frozen, including poultry	"	1,500,316,660	507,527,651
Milk, sold by dairy factories	gal.	347,409,793	271,589,825
Milk, evaporated and condensed	lb.	321,474,626	41,559,500
Pickles, relishes and catsup	—	—	29,068,762
Pies, cakes and pastry	—	—	87,010,429
Powders, edible (custard, jelly, milk, etc.)	—	—	48,062,653
Shortening	lb.	163,039,472	38,973,851
Soups, canned (except infants*)	"	265,349,422	43,366,421
Sugar, granulated (cane and beet)	"	1,298,660,948	125,994,336
Beverages:			
Beer, ale, stout and porter (sales) ¹	gal.	224,782,975	364,993,057
Beverage spirits sold (net sales)	pf. gal.	14,544,797	116,234,961
Carbonated beverages	gal.	136,820,244	123,101,902
Wine sold	Imp. gal.	5,625,244	14,963,603
Tobacco and tobacco products.¹			
Cigarettes	M	30,394,572	407,237,324
Cigars	"	283,706	20,442,301
Tobacco, chewing, smoking and snuff	lb.	22,585,142	56,465,323
Tobacco, raw leaf, processed*	"	109,737,052	66,939,792
Textile products, except clothing:			
Bags, cotton and jute	No.	121,094,180	21,793,800
Blankets	—	—	14,894,906
Carpets, mats and rugs	—	—	20,152,188
Cotton fabrics	—	—	120,453,180
Synthetic woven fabrics, all types	yd.	84,161,651	58,679,628
Tire fabrics	lb.	27,869,198	24,520,171
Twine and cordage	—	—	14,352,160
Woven fabrics, wool or containing wool	sq. yd.	28,627,289	46,929,079
Yarns, cotton, rayon, wool, etc. (for sale)	—	—	134,742,441
Clothing:			
Coats and overcoats, cloth, men's and youths'	No.	661,168	18,081,197
Coats, wool, women's and misses'	"	1,371,524	34,497,466
Coats, fur, women's (factory made)	"	216,276	50,548,489
Short coats (including windbreakers, mackinaws, parkas, leather coats, etc.)	—	—	36,319,800
Dresses, women's and misses'	No.	12,194,249	34,210,669
Footwear, leather	pr.	35,981,934	132,317,714
Footwear, rubber	"	10,436,008	27,202,309
Gloves and mittens, all kinds	doz. pr.	1,858,558	16,014,951
Hats and caps, men's	doz.	741,785	11,759,399
Hats, women's and children's	"	471,372	14,396,826
Hosiery, all kinds	doz. pr.	10,423,093	59,092,323
Shirts, fine, work and sport	doz.	2,858,381	60,670,338
Sport suits, slacks and other sport clothing, n.e.s.	—	—	22,782,147
Suits, men's and youths', fine woollen	No.	1,697,588	59,244,673
Underwear	—	—	54,720,639
Wood products:			
Boxes, wooden	—	—	12,696,452
Lumber, planed	M ft. b.m.	1,344,685	95,655,742
Lumber, sawn*	"	7,102,365	466,305,564
Pulp, wood, made for sale	ton	1,804,697	220,550,548
Sash, doors and other mill work	—	—	71,901,518

¹ Includes duties and taxes on beer and tobacco and tobacco products.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1957 — Concluded

	Unit of measure	Quantity	Value
			\$
Paper products:			
Bags, paper	—	—	52,641,020
Boxes, paper	—	—	188,920,925
Paper boards, all types (basic)*	ton	1,114,726	143,079,419
Paper, book and writing (basic)*	"	335,037	86,990,136
Paper, newsprint (basic)*	"	6,361,651	729,009,081
Paper, wrapping (basic)*	"	277,208	60,402,276
Printing, publishing and allied industries:			
Books and catalogues, printed and bound	—	—	41,211,831
Other advertising matter, printed	—	—	60,093,857
Periodicals printed for publishers	—	—	32,083,464
Periodicals printed by publishers:			
Subscriptions and sales	—	—	68,569,295
Gross revenue from advertising	—	—	201,637,619
Sheet forms commercial, legal, etc. printed	—	—	52,744,086
Iron and steel products:			
Bars, iron and steel, hot rolled (sold)	ton	718,864	107,391,265
Boilers, heating and power	—	—	23,872,909
Castings, grey iron, made for sale	—	—	36,892,439
Farm implements and parts	—	—	114,545,989
Forgings, steel and other	—	—	32,536,439
Hardware, builders', pole line and other	—	—	49,128,000
Machinery, industrial, household, office and store and parts	—	—	734,382,000
Plg iron (sold)	ton	734,353	40,953,372
Pipes, tubing and fittings, iron and steel	—	—	203,577,000
Rolled iron and steel forms, semi-finished, sold	net ton	287,469	28,261,857
Sheets, bars and other cold-rolled products, sold	"	776,019	143,420,231
Steel ingots and castings, sold	"	187,806	63,553,873
Steel shapes erected, buildings, bridges, etc.*	"	506,348	181,098,870
Steel shapes, structural, made in primary mills	"	341,975	42,823,449
Stoves, coal, wood, electric and gas	—	—	51,324,569
Tools and implements, hand, all kinds and parts	—	—	39,118,310
Wire, wire rope and cable, steel	—	—	54,623,013
Transportation equipment:			
Aircraft, completed in year*	—	—	129,257,269
Automobiles, commercial	No.	71,424	141,086,301
Automobiles, passenger	"	334,112	638,058,318
Automobile parts and accessories, including tires	—	—	521,700,000
Buses	No.	374	8,435,458
Cars, railway, complete, freight and passenger*	"	10,475	98,665,682
Locomotives, diesel-electric, new*	"	521	94,417,333
Ships and ship repairs*	—	—	206,666,477
Non-ferrous metal products:			
Jewelry	—	—	23,369,561
Kitchenware, aluminum	—	—	6,801,989
Silverware	—	—	10,283,564
Smelter and refinery products*	—	—	1,280,145,652
Electrical apparatus and supplies:			
Batteries, electric, storage	—	—	29,882,278
Radio receiving sets, complete	No.	749,494	20,130,298
Refrigerators, household, mechanical	"	235,539	42,429,856
Television sets	"	434,504	68,012,547
Wires and cables, electric	—	—	153,845,828
Non-metallic mineral products:			
Abrasives, artificial	ton	301,508	33,731,281
Coke, gas-house*	"	4,094,975	63,442,456
Concrete, ready-mixed	—	—	82,755,760
Gas, manufactured and natural, sold*	M cu. ft.	184,738,053	99,725,581
Glass, pressed and blown (bottles, sealers, ovenware, etc.)	—	—	53,361,406
Chemicals and allied products:			
Calcium and sodium compounds	—	—	55,369,949
Fertilizers, mixed	—	—	38,599,907
Medicinal and pharmaceutical preparations	—	—	126,297,000
Paints, enamel and varnishes	—	—	124,031,000
Synthetic resins	—	—	54,930,000
Soaps and synthetic detergents	lb.	318,658,000	82,947,000
Toilet preparations	—	—	63,254,988
Miscellaneous:			
Bags, hand and hand luggage	doz.	877,517	14,907,831
Brooms and household brushes	—	—	5,366,801
Cans, metal, for food	—	—	61,372,528
Furniture, wood and metal, including beds and couches	—	—	228,019,179
Gasoline*	Imp. gal.	3,061,716,351	610,610,787
Leather, shoe	—	—	36,959,207
Mattresses	—	—	23,518,523
Mops, floor	—	—	3,704,721
Oil, fuel (made for sale)*	Imp. gal.	4,194,511,993	564,811,063
Pianos, organs and parts	—	—	5,188,938
Scientific and professional equipment	—	—	67,278,647
Sporting goods	—	—	20,020,524
Springs, bed and other furniture	—	—	13,923,384
Toys and games	—	—	25,274,880

Subsection 2. Manufactures Classified on the Chief Component Material Classification Basis

For the most purposes a classification of manufacturing industries based upon "chief component materials" has, in the past, proved most useful in Canadian industrial classification. For this reason the Bureau's classification based upon this concept has been the one most widely used for general purposes such as the Decennial Census, Vital Statistics, foreign Trade, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of a group "Textile Products", composed partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, i.e., when its final products are chiefly such items as pig iron, lumber and processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods

for final consumption, the combination of ingredients in such output becomes more and more complex. The modern automotive, aircraft, shipbuilding, and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the completion of the final product.

In recent years Canada's industrial system has undergone considerable development. Consequently in establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established.

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-57

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number			dollars		
1917						
Vegetable products	4, 151	62, 791	45, 916, 557	367, 214, 061	183, 782, 501	550, 996, 562
Animal products	5, 486	46, 994	35, 753, 133	330, 302, 039	134, 103, 990	444, 406, 029
Textiles and textile products	1, 033	76, 315	47, 386, 592	131, 071, 158	109, 227, 157	240, 258, 315
Wood and paper products	7, 258	153, 701	115, 198, 434	150, 122, 143	249, 201, 595	399, 323, 739
Iron and its products	1, 495	161, 745	161, 875, 426	378, 193, 116	371, 792, 489	749, 985, 605
Non-ferrous metal products	1, 296	18, 220	15, 898, 890	46, 445, 469	41, 039, 351	87, 484, 820
Non-metallic mineral products	1, 075	20, 781	18, 224, 724	36, 994, 392	58, 092, 396	95, 086, 788
Chemicals and allied products	539	56, 153	51, 505, 484	99, 068, 092	131, 381, 995	230, 450, 087
Miscellaneous industries	512	9, 823	6, 042, 604	10, 268, 341	12, 510, 505	22, 778, 846
Totals	21, 845	606, 523	497, 801, 844	1, 539, 678, 811	1, 281, 131, 980	2, 820, 810, 791
1920						
Vegetable products	4, 549	74, 241	77, 750, 189	536, 828, 044	239, 328, 371	776, 156, 415
Animal products	4, 823	48, 687	54, 291, 606	400, 496, 354	152, 995, 130	553, 491, 484
Textiles and textile products	1, 304	87, 730	84, 433, 609	256, 233, 300	173, 741, 035	429, 374, 335
Wood and paper products	7, 881	144, 391	172, 368, 578	309, 813, 724	417, 256, 115	727, 069, 839
Iron and its products	1, 789	164, 087	231, 595, 911	377, 499, 134	411, 875, 057	789, 374, 191
Non-ferrous metal products	324	23, 162	27, 895, 343	48, 434, 120	52, 847, 178	101, 281, 298
Non-metallic mineral products	846	25, 500	32, 351, 764	69, 856, 558	80, 205, 472	150, 062, 030
Chemicals and allied products	464	17, 653	22, 193, 421	62, 644, 608	65, 183, 212	127, 827, 820
Miscellaneous industries	552	13, 442	14, 613, 455	23, 465, 807	27, 841, 778	51, 307, 585
Totals	22, 532	598, 893	717, 493, 876	2, 085, 271, 649	1, 621, 273, 348	3, 706, 544, 997
1929						
Vegetable products	5, 350	91, 032	95, 853, 121	431, 595, 751	341, 688, 938	783, 706, 883
Animal products	4, 490	67, 670	62, 081, 423	345, 351, 882	127, 929, 857	477, 761, 855
Textiles and textile products	1, 534	103, 881	94, 969, 433	217, 954, 088	180, 469, 064	403, 205, 809
Wood and paper products	7, 392	164, 572	192, 088, 948	313, 797, 201	381, 485, 477	724, 972, 308
Iron and its products	1, 224	142, 772	203, 740, 658	405, 818, 468	367, 465, 582	790, 726, 338
Non-ferrous metal products	408	39, 867	54, 501, 806	124, 900, 632	150, 415, 215	283, 545, 666
Non-metallic mineral products	843	29, 257	38, 958, 390	112, 573, 103	99, 065, 847	229, 774, 300
Chemicals and allied products	554	16, 694	22, 639, 449	55, 184, 337	78, 785, 911	138, 545, 221
Miscellaneous industries	421	10, 786	12, 457, 989	22, 495, 351	28, 081, 046	51, 207, 736
Totals	22, 216	666, 531	777, 291, 217	2, 029, 670, 813	1, 755, 386, 937	3, 883, 446, 116
1933						
Vegetable products	5, 916	75, 416	68, 535, 349	226, 879, 373	196, 820, 952	432, 315, 617
Animal products	4, 496	53, 111	46, 453, 188	179, 429, 948	87, 629, 444	271, 068, 210
Textiles and textile products	1, 740	95, 707	72, 813, 424	143, 184, 861	131, 065, 992	279, 475, 267
Wood and paper products	7, 891	105, 080	102, 218, 652	134, 663, 641	184, 233, 540	341, 336, 701
Iron and its products	1, 334	73, 348	72, 296, 179	98, 793, 191	109, 198, 169	216, 828, 992
Non-ferrous metal products	478	25, 273	28, 099, 026	71, 990, 608	88, 427, 984	164, 765, 604
Non-metallic mineral products	770	16, 975	19, 282, 401	69, 077, 701	52, 817, 078	131, 325, 706
Chemicals and allied products	696	15, 397	18, 738, 829	34, 271, 854	55, 394, 284	92, 820, 761
Miscellaneous industries	459	8, 351	7, 810, 976	9, 497, 751	14, 083, 738	24, 138, 927
Totals	23, 780	468, 658	436, 247, 824	967, 788, 928	919, 671, 181	1, 954, 075, 785

TABLE 13. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-57 - Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number			dollars		
1939						
Vegetable products	5,872	99,447	104,248,785	356,726,153	292,129,840	659,624,014
Animal products	4,362	69,358	68,231,871	333,647,306	122,821,410	461,983,262
Textiles and textile products	1,930	121,022	107,117,035	203,618,197	181,927,898	392,657,759
Wood and paper products	8,538	144,782	165,287,455	246,292,820	303,662,441	579,892,183
Iron and its products	1,394	121,041	158,559,728	262,292,781	275,774,796	553,468,880
Non-ferrous metal products	526	44,563	59,684,858	242,063,177	155,808,806	416,060,459
Non-metallic mineral products	809	23,026	30,067,934	107,979,292	85,511,631	208,166,781
Chemicals and allied products	808	22,595	31,567,558	65,230,839	89,046,832	159,536,984
Miscellaneous industries	566	12,280	13,045,929	18,308,810	24,368,247	43,393,206
Totals	24,805	658,114	737,811,133	1,836,159,375	1,531,051,901	3,474,783,528
1944						
Vegetable products	5,941	130,679	183,943,948	763,606,750	485,551,491	1,270,518,297
Animal products	4,388	94,195	129,215,389	835,586,247	246,064,720	1,022,015,647
Textiles and textile products	2,481	153,122	195,805,681	419,988,642	351,186,488	761,771,688
Wood and paper products	10,452	189,674	284,436,559	497,656,158	550,826,986	1,093,725,822
Iron and its products	2,192	411,944	818,452,454	1,104,083,922	1,390,703,087	2,540,992,974
Non-ferrous metal products	635	104,314	182,909,292	549,317,062	399,498,519	992,345,975
Non-metallic mineral products	748	31,590	56,130,338	234,714,319	152,525,053	416,268,879
Chemical and allied products	981	81,822	137,422,977	360,412,749	355,260,598	733,569,232
Miscellaneous industries	665	25,542	41,304,732	66,967,507	84,159,068	152,484,005
Totals	28,483	1,222,882	2,029,621,370	4,832,333,358	4,015,776,010	9,073,692,519
1949						
Vegetable products	5,903	143,032	285,536,723	1,236,409,496	754,329,727	2,020,565,833
Animal products	4,231	102,657	197,189,519	1,158,872,220	369,545,771	1,543,930,584
Textiles and textile products	3,234	186,328	342,930,642	669,108,586	606,402,697	1,290,314,474
Wood and paper products	15,866	262,835	579,896,808	1,061,229,176	1,184,539,519	2,325,304,849
Iron and its products	2,658	265,474	978,924,105	1,197,956,715	1,219,303,992	2,468,776,349
Non-ferrous metal products	897	100,614	251,869,627	749,678,627	558,467,028	1,353,329,383
Non-metallic mineral products	1,097	42,691	104,377,854	469,437,193	261,691,705	780,188,518
Chemicals and allied products	1,022	40,499	98,568,559	238,377,149	279,038,660	536,156,674
Miscellaneous industries	884	27,077	52,596,820	62,161,902	97,247,135	161,426,636
Totals	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1954¹						
Vegetable products	5,825	145,842	400,492,625	1,459,144,653	1,067,282,575	2,563,927,081
Animal products	3,689	100,352	259,157,349	1,310,727,221	480,458,187	1,813,185,823
Textiles and textile products	3,467	189,465	391,920,356	723,169,806	632,435,702	1,378,303,384
Wood and paper products	17,198	287,317	881,030,481	1,567,744,936	1,763,010,994	3,430,311,344
Iron and its products	3,166	304,728	1,078,530,027	1,808,728,716	1,777,079,766	3,651,360,402
Non-ferrous metal products	1,030	125,569	440,700,922	1,114,549,500	949,893,993	2,127,716,961
Non-metallic mineral products	1,264	52,788	184,530,804	770,531,901	615,324,067	1,456,119,348
Chemicals and allied products	1,104	50,935	174,849,466	391,963,368	467,919,639	882,604,171
Miscellaneous industries	1,345	30,970	85,475,661	101,297,453	148,719,214	250,998,990
Totals	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,534,527,504
1957¹						
Vegetable products	5,930	151,972	475,256,700	1,674,617,779	1,273,901,419	2,970,093,020
Animal products	3,947	109,966	330,500,727	1,549,214,867	582,334,555	2,147,412,244
Textiles and textile products	3,233	175,492	452,334,748	859,384,873	739,332,926	1,600,969,790
Wood and paper products	16,191	298,100	1,033,907,901	1,867,031,489	1,957,235,269	3,952,341,429
Iron and its products	3,467	340,775	1,391,047,803	2,666,627,151	2,420,642,875	5,161,099,504
Non ferrous metal products	1,078	136,013	548,685,035	1,512,388,158	1,171,686,471	2,761,595,352
Non-metallic mineral products	1,397	57,877	239,000,959	1,108,812,343	874,714,516	2,094,090,574
Chemicals and allied products	1,126	54,052	219,381,443	514,847,067	596,349,110	1,142,459,633
Miscellaneous industries	1,566	34,814	109,512,683	147,827,966	205,837,585	353,532,765
Totals	37,875	1,359,061	4,819,627,999	11,900,751,703	9,822,084,726	22,183,594,311

¹ In 1952 the basis of collection was changed from "Value of products made" to "Value of factory shipments".

Subsection 3. Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials that cannot be grown in Canada, such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to non-ferrous metals so largely produced in Canada, the manufactures of iron and steel, or petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced

industrial organization is usually indicated by relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed, employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1957 the average salary and wage was \$4,083 for the mineral group and \$2,987 for the farm origin group.

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-57

Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Gross value of products
	No.	\$	No.		dollars	
1924						
Farm origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Mineral origin	2,806	1,010,517,944	136,837	171,068,497	349,800,585	700,002,097
Forest origin	6,873	876,149,932	126,907	147,719,245	245,183,429	544,282,597
Marine origin	836	20,304,785	11,157	3,344,348	16,089,332	26,637,982
Wild life origin	226	10,837,249	2,944	3,194,213	7,506,169	13,386,266
Mixed origin	1,305	204,716,127	57,277	55,927,609	101,563,384	200,718,177
Grand totals	20,709	2,895,317,508	487,610	534,467,675	1,436,190,791¹	2,584,306,764¹
Farm origin group:						
From field crop	4,595	525,717,571	89,436	87,789,237	433,443,376	691,513,259
From animal husbandry	4,068	247,073,900	63,052	65,424,526	282,604,516	407,766,406
Totals, farm origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Canadian origin	8,379	546,231,949	114,514	119,217,657	553,357,883	848,236,237
Foreign origin	284	226,559,522	37,974	33,996,106	162,690,009	251,043,428
1929						
Farm origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Mineral origin	3,219	1,550,662,908	218,879	304,027,803	678,683,203	1,392,499,868
Forest origin	7,353	1,148,558,242	163,863	191,044,307	313,088,964	722,269,066
Marine origin	730	28,644,442	16,367	5,411,855	21,496,859	34,966,260
Wild life origin	234	14,338,686	3,767	4,783,323	12,847,817	20,861,039
Mixed origin	1,639	293,302,865	81,973	83,717,174	150,947,887	316,080,314
Grand totals	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	3,883,446,116
Farm origin group:						
From field crops	5,191	697,206,163	114,236	115,201,292	496,842,580	889,075,246
From animal husbandry	3,850	272,178,703	67,446	73,105,463	355,763,503	507,694,323
Totals, farm origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Canadian origin	8,743	708,461,549	134,680	140,340,993	682,056,026	1,106,006,184
Foreign origin	298	260,923,317	47,002	47,965,762	170,550,057	290,763,385
1933						
Farm origin	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Mineral origin	3,539	1,306,641,651	130,565	138,101,092	271,434,337	601,428,003
Forest origin	7,796	882,445,602	102,807	99,046,012	133,550,374	335,886,257
Marine origin	620	15,532,775	4,064	2,287,385	10,960,289	17,380,323
Wild life origin	335	10,507,157	3,498	3,481,885	7,159,079	13,000,927
Mixed origin	1,795	219,550,595	69,122	55,619,701	89,802,145	194,423,805
Grand totals	23,780	3,279,259,838	468,658	436,247,824	967,788,928	1,954,075,785
Farm origin group:						
From field crops	5,746	609,044,529	93,433	81,655,182	263,007,043	494,048,930
From animal husbandry	3,949	235,537,529	65,169	56,056,587	191,875,661	297,907,540
Totals, farm origin	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Canadian origin	9,373	629,450,643	124,547	107,807,386	365,559,776	620,197,449
Foreign origin	322	215,131,415	34,055	29,904,363	89,322,928	171,759,021
1939						
Farm origin	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Mineral origin	3,474	1,498,265,618	210,752	280,054,303	669,728,573	1,321,444,094
Forest origin	8,430	951,016,933	142,091	160,798,500	244,944,997	572,335,960
Marine origin	523	21,479,200	5,369	3,638,794	18,114,698	28,816,536
Wild life origin	384	14,723,743	4,604	5,396,623	11,592,066	19,961,526
Mixed origin	1,791	208,609,063	75,088	70,197,968	113,528,916	242,232,391
Grand totals	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	3,474,783,528
Farm origin group:						
From field crops	6,096	649,746,486	124,708	128,311,033	410,994,461	759,964,866
From animal husbandry	4,107	303,183,406	95,502	91,413,932	367,255,664	530,028,155
Totals, farm origin	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Canadian origin	9,382	699,345,423	171,460	168,260,771	630,779,223	1,011,294,132
Foreign origin	821	253,584,469	48,750	49,464,194	147,470,902	278,688,889

¹ See footnote at end of table.

TABLE 14. Principal Statistics of the Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-57 - Concluded

Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	number			dollars		
1944						
Farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Mineral origin	4,479	634,542	1,208,779,764	2,258,796,792	2,312,260,844	4,708,104,244
Forest origin	10,347	186,680	278,171,969	495,531,476	541,521,976	1,082,160,284
Marine origin	535	9,664	10,327,695	45,906,542	22,066,801	68,882,879
Wild life origin	535	6,190	9,430,191	28,076,572	15,728,926	43,985,177
Mixed origin	2,258	98,050	128,195,442	223,007,600	253,202,359	461,828,520
Grand totals	28,483	1,222,882	2,029,621,370	4,832,333,358	4,015,778,010	9,073,692,519
Farm origin group:						
From field crops	6,307	164,514	226,751,705	888,435,918	563,349,320	1,477,008,962
From animal husbandry	4,022	123,242	167,964,604	892,578,456	307,645,784	1,211,722,453
Totals, farm origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Canadian origin	9,493	225,077	303,293,749	1,507,501,822	668,958,344	2,202,655,904
Foreign origin	836	62,679	91,422,560	273,512,552	202,036,760	486,075,511
1949						
Farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Mineral origin	5,936	453,960	1,147,317,944	2,652,631,878	2,315,722,610	5,133,084,333
Forest origin	15,467	255,671	562,316,999	1,051,100,174	1,158,202,397	2,288,386,108
Marine origin	599	11,856	16,969,825	69,090,041	41,140,022	111,961,148
Wild life origin	663	8,370	18,008,212	38,475,825	28,844,758	67,646,428
Mixed origin	3,104	128,777	238,980,627	367,830,957	458,665,655	835,769,392
Grand totals	35,792	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
Farm origin group:						
From field crops	6,165	175,715	348,944,897	1,414,938,794	863,950,508	2,313,027,879
From animal husbandry	3,858	136,858	259,352,153	1,249,163,395	464,040,484	1,729,718,012
Totals, farm origin	10,023	312,573	608,297,050	2,664,102,189	1,327,990,992	4,042,745,891
Canadian origin	9,204	247,762	473,274,682	2,289,435,804	1,041,245,310	3,369,356,461
Foreign origin	819	64,811	135,022,368	374,666,385	286,745,682	673,389,430
1954¹						
Farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Mineral origin	6,854	539,830	1,902,255,686	4,083,393,939	3,808,242,171	8,113,391,979
Forest origin	16,823	280,573	567,047,039	1,547,843,710	1,727,150,805	3,380,340,406
Marine origin	586	14,202	26,001,277	95,632,683	55,219,381	153,456,535
Wild life origin	598	6,431	17,348,494	37,022,130	26,595,921	64,099,781
Mixed origin	3,625	125,269	302,644,357	467,107,596	549,795,481	1,030,770,994
Grand totals	38,028	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
Farm origin group:						
From field crops	6,135	173,171	468,666,325	1,631,251,171	1,170,756,138	2,845,128,473
From animal husbandry	3,407	128,490	322,724,513	1,379,606,325	564,364,240	1,967,339,336
Totals, farm origin	9,542	301,661	791,390,838	3,010,857,496	1,735,120,378	4,812,467,809
Canadian origin	8,612	242,239	624,181,936	2,617,517,447	1,377,694,249	4,041,115,667
Foreign origin	930	59,422	167,208,902	393,340,049	357,426,129	771,352,142
1957²						
Farm origin	10,056	321,820	961,295,682	3,509,683,926	2,091,731,444	5,640,309,385
Mineral origin	7,166	586,759	2,395,852,383	5,764,015,625	4,989,569,774	11,046,827,769
Forest origin	15,808	291,063	1,025,086,462	1,850,756,037	1,913,235,816	3,891,585,636
Marine origin	426	13,285	27,616,900	97,969,300	51,207,403	150,708,000
Wild life origin	556	5,795	18,419,874	40,237,518	28,413,593	68,486,985
Mixed origin	3,863	140,339	391,356,698	638,089,297	747,926,706	1,385,676,536
Grand totals	37,875	1,359,061	4,819,627,999	11,900,751,703	9,822,084,726	22,183,594,311
Farm origin group:						
From field crops	6,241	180,869	554,132,457	1,865,303,599	1,398,575,231	3,287,940,237
From animal husbandry	3,815	140,951	407,163,225	1,644,380,327	693,156,213	2,352,369,148
Totals, farm origin	10,056	321,820	961,295,682	3,509,683,926	2,091,731,444	5,640,309,385
Canadian origin	9,110	259,709	762,715,181	3,016,990,759	1,659,177,787	4,701,843,711
Foreign origin	946	62,111	198,580,501	492,693,167	432,553,657	938,465,674

¹ For the year 1924 the figures for "Cost of materials" and "Gross value of products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.² In 1952 the basis of collection was changed from "Value of products made" to "Selling value of factory shipments".

Subsection 4. Manufactures Classified by Type of Ownership

This section deals with the type of ownership under which Canadian manufacturers operate. The first survey in 1946 did not include the fish-curing and packing industry, information for which was not available at that time. For this reason the figures for 1946 are not strictly comparable with those for succeeding years, although the inclusion of that industry has not materially altered the percentage distribution of individual ownership, incorporated companies, etc.

Of the 37,875 establishments operating in 1957, 1,623 establishments in the periodical publishing industry were unclassifiable, leaving 36,252 establishments in the four

categories of ownership. Individual ownership numbered 14,721 establishments, partnerships, 4,352, incorporated companies 16,260 and co-operatives 919. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1957. It is interesting to note that incorporated companies are becoming increasingly important, the percentage of the total number of establishments having risen from 33.4 in 1946 to 44.9 in 1957 while the other three categories declined in importance. This trend to incorporation is no doubt accentuated by the favourable income tax rate allowed companies on the first \$25,000 of income.

Year	Individual ownership	Partnerships	Incorporated companies	Co-operatives
1946 (estimated).....	47.3	16.0	33.4	3.3
1947	46.4	16.1	34.3	3.2
1948	46.2	16.4	34.4	3.0
1949	46.0	15.8	35.3	2.9
1950	45.6	15.0	36.3	3.1
1951	44.6	15.5	36.9	3.0
1952	44.9	15.4	36.9	2.8
1953	44.4	14.8	38.2	2.6
1954	43.6	14.3	39.5	2.6
1955	42.7	13.6	41.1	2.6
1956	41.4	12.7	43.4	2.5
1957	40.6	12.0	44.9	2.5

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on mainly under individual ownership or partnerships. Industries conducted on a small scale usually contain a large number of establishments in this category, the percentage decreasing as the scale of operation increases. As the above table shows, establishments under individual ownership comprised 40.6 p.c. of the total number engaged in manufacturing in 1957. Partnerships accounted for 12.0 p.c., incorporated companies 44.9 p.c. and co-operatives 2.5 p.c.

Of the 12,520 establishments with shipments of under \$25,000, 73.8 p.c. were individual ownership, 15.5 p.c. partnerships, 10.1 p.c. incorporated companies and .6 p.c. co-operatives. With the increase in the size of the establishment the importance of individual ownership as well as that of partnerships declines. In the case of incorporated companies, however, the opposite is true. As the size increases their numerical importance increases as the following table shows.

TABLE 15. Percentage Distribution of the Manufacturing Industries of Canada, by Type of Ownership and Size of Establishment, 1957

	Under \$25,000	\$25,000 to \$99,999	\$100,000 to \$499,999	\$500,000 and over
Establishments:				
Individual ownership.....	73.8	44.7	12.2	0.7
Partnerships.....	15.5	16.9	8.1	1.0
Incorporated companies	10.1	35.5	74.4	96.4
Co-operatives.....	0.6	2.9	5.3	1.9
Total	100.0	100.0	100.0	100.0
Employees:				
Individual ownership.....	66.8	38.3	7.7	0.2
Partnerships.....	19.1	17.2	6.7	0.3
Incorporated companies	13.5	42.9	83.7	98.9
Co-operatives.....	0.6	1.6	1.9	0.6
Total	100.0	100.0	100.0	100.0
Factory shipments:				
Individual ownership.....	69.7	40.5	9.0	0.2
Partnerships.....	16.1	16.5	6.9	0.2
Incorporated companies	13.3	39.5	79.3	98.7
Co-operatives.....	0.9	3.5	4.8	0.9
Total	100.0	100.0	100.0	100.0

The establishments operating under individual ownership are not as important, from the point of view of employment provided, as their large numbers would indicate. According to Tables 16 and 17, these establishments which comprise 41 p.c. of the total have only 5 p.c. of the total employees. Partnerships accounted 12 p.c. of the number of establishments and 2 p.c. of the total employees. Incorporated companies with 45 p.c. of the number of establishments had 92 p.c. of the employees. Co-operatives with 2 p.c. of the establishments had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are, by a wide margin, the most important factor in the

employment field. In the petroleum and coal products group practically 100 p.c. of the employees were reported by such companies, while the rubber, electrical apparatus and supplies, paper products, transportation equipment and tobacco products had 99 p.c. Companies in the chemicals and non-ferrous metal products had 98 p.c., iron and steel products 97 p.c., textile mills 96 p.c., knitting mills and non-metallic mineral products 94 p.c., leather products 93 p.c., miscellaneous industries 90 p.c., printing, publishing and allied industries 88 p.c., clothing 85 p.c. and foods and beverages 83 p.c. Companies in the wood products group with 78 reported the lowest percentage of the total employment.

TABLE 16. Percentage Distribution of Establishments in the Manufacturing Industries Classified by Type of Ownership, by Provinces and Industrial Groups, 1957¹

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
per cent					
Province					
Newfoundland.....	53.4	28.3	18.2	0.1	100.0
Prince Edward Island.....	46.8	17.4	30.0	5.8	100.0
Nova Scotia.....	50.0	13.5	35.0	1.5	100.0
New Brunswick.....	52.6	10.3	34.8	2.3	100.0
Quebec.....	45.7	10.0	40.3	4.0	100.0
Ontario.....	34.8	12.0	51.5	1.7	100.0
Manitoba.....	39.1	11.3	48.0	1.6	100.0
Saskatchewan.....	49.2	13.6	31.6	5.6	100.0
Alberta.....	42.0	12.4	42.3	3.3	100.0
British Columbia.....	33.8	13.6	51.4	1.2	100.0
Yukon and Northwest Territories.....	22.8	13.6	63.6	—	100.0
Canada.....	40.6	12.0	44.9	2.5	100.0
Industrial group					
Foods and beverages.....	44.2	10.5	34.9	10.4	100.0
Tobacco and tobacco products.....	26.6	2.0	67.3	4.1	100.0
Rubber products.....	10.2	4.6	85.2	—	100.0
Leather products.....	27.7	8.5	63.8	—	100.0
Textile mills.....	28.5	10.5	60.8	0.2	100.0
Knitting mills.....	18.5	7.7	75.8	—	100.0
Clothing.....	26.4	14.8	58.8	—	100.0
Wood products.....	58.7	15.8	25.4	0.1	100.0
Paper products.....	8.6	2.9	88.5	—	100.0
Printing, publishing and allied industries ¹	42.1	13.6	44.2	0.1	100.0
Iron and steel products.....	22.6	9.7	67.7	—	100.0
Transportation equipment.....	25.0	9.3	65.7	—	100.0
Non-ferrous metal products.....	24.0	10.6	65.4	—	100.0
Electrical apparatus and supplies.....	7.2	2.5	90.3	—	100.0
Non-metallic mineral products.....	30.3	11.4	58.2	0.1	100.0
Products of petroleum and coal.....	2.8	—	96.2	1.0	100.0
Chemicals and allied products.....	15.0	3.3	81.3	0.4	100.0
Miscellaneous manufacturing industries.....	34.8	11.1	54.1	—	100.0

¹ Four main categories of ownership only; the non-classifiable group is not included.**TABLE 17. Percentage Distribution of Employment in the Manufacturing Industries, Classified by Type of Ownerships, by Provinces and Industrial Groups, 1957¹**

Province or group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
per cent					
Province					
Newfoundland.....	6.9	5.6	87.5	—	100.0
Prince Edward Island.....	18.6	11.4	63.1	6.9	100.0
Nova Scotia.....	8.1	2.5	88.2	1.2	100.0
New Brunswick.....	8.7	2.5	87.4	1.4	100.0
Quebec.....	5.8	2.8	90.6	0.8	100.0
Ontario.....	3.0	2.0	94.7	0.3	100.0
Manitoba.....	4.9	2.8	91.5	0.8	100.0
Saskatchewan.....	9.5	4.8	73.3	12.4	100.0
Alberta.....	6.7	3.6	87.7	2.0	100.0
British Columbia.....	4.3	2.6	91.2	1.9	100.0
Yukon and Northwest Territories.....	9.0	6.7	84.3	—	100.0
Canada.....	4.5	2.4	92.2	0.9	100.0
Industrial group					
Foods and beverages.....	8.6	3.2	83.3	4.9	100.0
Tobacco and tobacco products.....	0.8 ³	—	99.2 ²	—	100.0
Rubber products.....	0.2	—	99.8	—	100.0
Leather products.....	5.3	2.2	92.5	—	100.0
Textile mills.....	2.3	1.5	96.2 ²	—	100.0
Knitting mills.....	2.8	2.8	94.4	—	100.0
Clothing.....	7.5	7.1	85.4	—	100.0
Wood products.....	15.4	6.8	77.5	0.3	100.0
Paper products.....	0.5	0.2	99.3	—	100.0
Printing, publishing and allied industries ¹	7.5	4.3	87.7	0.5	100.0
Iron and steel products.....	1.8	1.3	96.9 ²	—	100.0
Transportation equipment.....	0.5	0.2	99.3	—	100.0
Non-ferrous metal products.....	1.2	0.8	98.0	—	100.0
Electrical apparatus and supplies.....	0.2	0.2	99.6	—	100.0
Non-metallic mineral products.....	3.4	2.7	93.9 ²	—	100.0
Products of petroleum and coal.....	—	—	100.0 ^{4,2}	—	100.0
Chemicals and allied products.....	0.9	0.4	98.4	0.3	100.0
Miscellaneous manufacturing industries.....	6.2	3.6	90.2	—	100.0

¹ Four main categories of ownership only; the non-classifiable group is not included.² Includes co-operatives.³ Includes partnerships.⁴ Includes individual ownership.

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1957

Provinces	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Canada:						
Individual ownership	14,721	61,426	130,258,465	12,303,342	281,034,700	513,266,119
Partnerships	4,352	33,046	80,332,795	5,796,298	159,552,481	295,755,131
Incorporated companies	16,260	1,247,381	4,563,491,851	532,211,179	11,202,742,780	21,017,808,583
Co-operatives	919	10,897	30,218,484	5,000,969	224,759,569	286,375,000
Not classifiable ¹	1,623	6,311	15,326,404	—	32,662,173	70,389,478
Totals	37,875	1,359,061	4,819,627,999	555,311,788	11,900,751,703	22,183,594,311
Newfoundland:						
Individual ownership	480	716	743,863	75,574	1,081,403	2,528,412
Partnerships	254	588	436,738	46,356	676,648	1,459,352
Incorporated companies	164	9,140	31,575,984	7,231,122	52,123,832	113,488,708
Co-operative	1					
Not classifiable ¹	17	29	27,130	—	113,239	237,323
Totals	916	10,473	32,783,715	7,353,052	53,985,122	117,713,795
Prince Edward Island:						
Individual ownership	89	309	466,637	56,719	1,594,011	2,390,548
Partnerships	33	189	285,844	36,791	728,705	1,347,450
Incorporated companies	57	1,050	2,332,239	289,572	13,605,909	18,497,859
Co-operatives	11	114	194,052	26,352	2,379,236	2,708,671
Not classifiable ¹	3	1	50	—	7,388	8,325
Totals	193	1,663	3,278,822	409,434	18,315,249	24,952,853
Nova Scotia:						
Individual ownership	647	2,541	4,199,312	453,462	11,033,010	19,216,438
Partnerships	175	801	1,300,276	161,600	3,689,037	6,232,120
Incorporated companies	452	27,708	84,368,083	15,341,549	219,968,333	396,898,669
Co-operatives	20	369	720,028	99,931	3,371,572	4,594,661
Not classifiable ¹	62	111	46,916	—	224,793	357,157
Totals	1,356	31,530	90,634,615	16,056,542	238,286,745	427,299,045
New Brunswick:						
Individual ownership	504	1,815	2,825,260	386,602	9,113,809	14,646,706
Partnerships	99	528	885,832	98,817	2,172,772	3,665,753
Incorporated companies	333	18,309	56,079,835	13,535,907	156,752,559	285,118,287
Co-operatives	22	289	630,712	115,165	6,509,739	8,034,032
Not classifiable ¹	23	34	63,668	—	192,984	330,723
Totals	981	20,985	60,485,307	14,136,491	174,741,863	311,795,501
Quebec:						
Individual ownership	5,379	25,978	52,117,108	4,722,800	120,596,731	214,125,164
Partnerships	1,176	12,475	30,397,300	1,805,541	63,115,189	115,545,660
Incorporated companies	4,747	404,151	1,378,664,830	179,265,051	3,295,529,698	6,218,229,907
Co-operatives	473	3,494	7,511,191	1,387,880	75,630,575	93,068,747
Not classifiable ¹	475	3,285	9,137,907	—	16,036,606	38,625,578
Totals	12,250	449,383	1,477,828,336	187,181,272	3,570,908,799	6,679,595,056
Ontario:						
Individual ownership	4,512	19,640	47,085,813	4,436,770	98,717,525	181,273,559
Partnerships	1,560	12,550	33,123,109	2,415,634	64,808,643	118,736,772
Incorporated companies	6,674	608,017	2,340,397,557	238,933,839	5,605,664,030	10,696,525,826
Co-operatives	215	1,963	5,519,055	1,039,659	46,135,470	59,411,164
Not classifiable ¹	619	2,075	4,550,930	—	11,991,832	22,645,362
Totals	13,580	644,245	2,430,676,464	246,825,902	5,827,317,500	11,078,592,683
Manitoba:						
Individual ownership	576	2,125	4,696,035	419,433	9,957,663	17,874,004
Partnerships	167	1,216	3,018,082	252,334	5,990,814	10,747,179
Incorporated companies	707	40,007	131,154,374	13,062,546	356,246,956	625,708,472
Co-operatives	22	361	989,418	160,231	6,629,740	8,549,648
Not classifiable ¹	118	175	342,347	—	974,041	1,650,433
Totals	1,590	43,884	140,200,256	13,894,544	379,799,214	664,528,736
Saskatchewan:						
Individual ownership	392	1,134	2,274,488	227,412	3,022,294	7,153,604
Partnerships	108	570	1,298,504	149,073	2,518,451	4,857,084
Incorporated companies	252	8,757	31,771,003	7,557,030	149,613,637	248,389,726
Co-operatives	45	1,484	5,390,413	1,097,994	33,562,377	45,160,839
Not classifiable ¹	47	67	140,941	—	389,978	553,859
Totals	844	12,012	40,875,349	9,031,509	189,106,737	306,115,112

¹ Consists of the industry "Publishing (only) of Periodicals."

TABLE 18. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1957 — Concluded

Provinces	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Alberta:						
Individual ownership	756	2,589	5,600,211	519,386	10,353,041	20,667,395
Partnerships	222	1,400	3,463,417	249,675	6,031,078	12,726,487
Incorporated companies	759	34,078	125,394,330	14,809,694	424,971,019	726,933,313
Co-operatives	59	802	2,309,214	265,645	18,988,574	22,723,865
Not classifiable ¹	97	220	310,266	—	790,328	1,429,452
Totals	1,893	39,089	137,077,438	15,844,400	461,134,040	784,480,512
British Columbia:						
Individual ownership	1,381	4,564	10,203,358	1,002,574	15,546,353	33,313,098
Partnerships	555	2,718	6,097,967	576,587	9,801,078	20,378,175
Incorporated companies	2,101	96,050	381,219,657	42,023,098	926,735,322	1,685,112,238
Co-operatives	51	1,985	6,902,701	797,212	31,495,386	41,943,973
Not classifiable ¹	162	314	706,249	—	1,940,984	4,551,266
Totals	4,250	105,631	405,129,932	44,399,471	985,519,123	1,785,298,750
Yukon and Northwest Territories:						
Individual ownership	5	15	46,380	2,610	18,860	77,191
Partnerships	3	11	25,726	3,890	20,066	59,099
Incorporated companies	14	140	585,659	172,671	1,588,385	3,084,978
Totals	22	166	657,765	179,171	1,627,311	3,221,268

¹ Consists of the industry "Publishing (only) of Periodicals."

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by type of Ownership 1957

Industrial groups	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
1. Foods and beverages:						
Individual ownership	3,776	16,525	33,732,820	6,199,126	130,507,480	194,951,176
Partnerships	894	6,287	14,860,295	2,478,399	57,757,681	86,771,524
Incorporated companies	2,977	160,033	516,513,189	54,136,930	2,310,469,051	3,633,969,574
Co-operatives	889	9,332	24,918,811	4,165,956	205,643,234	256,279,018
Totals	8,536	192,177	590,025,115	66,980,411	2,704,377,446	4,171,971,292
2. Tobacco and tobacco products:						
Individual ownership	13	82	183,342	6,934	205,771	461,469
Partnerships	1					
Incorporated companies	33	9,823	33,139,479	837,680	160,504,651	249,272,887
Co-operatives	2					
Totals	49	9,905	33,322,821	844,614	160,710,422	249,734,356
3. Rubber products:						
Individual ownership	9	54	125,358	10,702	156,508	359,482
Partnerships	4	7	15,357	1,389	23,465	53,878
Incorporated companies	75	22,117	83,048,865	4,949,433	144,068,795	325,677,948
Totals	88	22,178	83,189,580	4,961,524	144,246,768	328,091,308
4. Leather products:						
Individual ownership	173	1,640	3,580,346	103,913	5,488,722	10,747,216
Partnerships	53	692	1,579,087	36,130	2,315,580	4,741,269
Incorporated companies	398	28,767	72,609,050	2,204,750	114,725,239	223,300,616
Totals	624	31,099	77,768,483	2,344,793	122,529,541	238,789,101
5. Textile mills:						
Individual ownership	265	1,583	3,398,675	209,094	5,948,761	12,146,933
Partnerships	98	1,051	2,489,945	124,582	3,005,621	6,949,519
Incorporated companies	564	65,878	195,690,192	15,061,702	403,479,519	728,570,089
Co-operatives	2					
Totals	929	68,512	201,578,812	15,395,378	412,433,901	747,666,541
6a. Knitting mills:						
Individual ownership	51	609	1,296,430	48,391	2,495,959	4,720,543
Partnerships	24	603	1,405,048	26,249	3,308,355	5,692,513
Incorporated companies	235	20,449	47,515,280	1,891,062	82,977,844	161,748,701
Totals	310	21,661	50,216,758	1,965,702	88,782,158	172,161,757
6b. Clothing:						
Individual ownership	673	6,806	13,693,500	323,676	20,928,904	42,434,031
Partnerships	377	6,475	15,626,306	276,355	25,671,363	49,534,691
Incorporated companies	1,500	77,833	189,639,246	2,769,305	351,806,065	657,659,755
Totals	2,550	91,114	218,959,052	3,369,336	398,406,332	749,628,477

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada Classified by Industrial Groups, and by type of Ownership 1957 — Concluded

Industrial groups	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
7. Wood products:						
Individual ownership	6,338	19,538	35,800,825	3,192,951	76,643,685	144,456,585
Partnerships	1,698	8,594	17,156,735	1,316,353	32,487,671	62,160,020
Incorporated companies	2,744	98,315	314,760,414	15,572,445	618,891,831	1,124,930,097
Co-operatives	16	392	942,194	75,497	2,052,958	3,624,158
Totals	10,796	126,839	368,660,168	20,157,246	730,076,145	1,335,170,860
8. Paper products:						
Individual ownership	50	480	1,420,793	67,904	3,167,505	5,432,474
Partnerships	17	223	563,111	20,311	1,179,401	2,090,138
Incorporated companies	515	93,580	401,302,387	113,014,147	879,048,087	1,858,196,573
Totals	582	94,283	403,286,291	113,102,362	883,394,993	1,865,719,185
9. Printing, publishing and allied industries:						
Individual ownership	1,248	5,091	13,466,505	564,079	9,546,483	31,881,904
Partnerships	401	2,915	8,653,797	287,758	6,355,015	19,697,890
Incorporated companies	1,309	59,879	235,768,668	5,040,896	195,518,148	606,717,407
Co-operatives	3	363	1,239,590	29,371	942,421	2,513,149
Not classifiable ¹	1,623	6,311	15,326,404	—	32,662,173	70,389,478
Totals	4,584	74,559	274,454,964	5,922,104	245,024,240	731,199,828
10. Iron and steel products:						
Individual ownership	695	3,533	9,450,159	577,296	8,158,854	24,100,112
Partnerships	298	2,701	8,446,683	446,278	13,564,624	27,352,174
Incorporated companies	2,079	192,321	789,196,058	64,253,563	1,365,197,146	2,860,695,792
Co-operative	1					
Totals	3,073	198,555	807,092,900	65,277,137	1,386,920,624	2,912,148,078
11. Transportation equipment:						
Individual ownership	156	641	1,730,774	80,657	1,839,355	4,411,009
Partnerships	58	308	889,171	40,007	1,257,152	2,527,764
Incorporated companies	409	143,690	588,841,436	22,160,243	1,285,146,141	2,262,264,209
Totals	623	144,639	591,461,381	22,280,907	1,288,242,648	2,269,202,982
12. Non-ferrous metal products:						
Individual ownership	142	687	1,819,547	85,058	2,566,093	5,493,176
Partnerships	63	415	1,169,639	60,586	1,847,301	3,777,099
Incorporated companies	387	53,479	225,279,202	65,355,763	1,009,732,121	1,674,112,165
Totals	592	54,581	228,268,388	65,501,407	1,014,145,515	1,683,382,440
13. Electrical apparatus and supplies:						
Individual ownership	35	149	358,484	19,292	635,474	1,272,405
Partnerships	12	171	508,107	27,985	1,876,077	2,891,320
Incorporated companies	439	81,112	319,500,056	9,477,787	495,731,092	1,074,049,187
Totals	486	81,432	320,416,647	9,525,064	498,242,643	1,078,212,912
14. Non-metallic mineral products:						
Individual ownership	373	1,378	3,242,290	415,614	4,224,216	9,966,843
Partnerships	141	1,070	2,920,015	471,434	4,052,096	9,859,541
Incorporated companies	716	37,672	144,150,880	51,082,082	201,705,602	582,338,353
Co-operative	1					
Totals	1,231	40,120	150,313,185	51,969,130	209,981,914	602,164,737
15. Products of petroleum and coal:						
Individual ownership	3					
Incorporated companies	102	17,757	88,687,774	59,084,998	898,830,429	1,491,925,837
Co-operative	1					
Totals	106	17,757	88,687,774	59,084,998	898,830,429	1,491,925,837
16. Chemicals and allied products:						
Individual ownership	171	495	1,320,330	83,922	2,279,282	4,931,611
Partnerships	38	245	763,306	43,834	853,908	2,584,388
Incorporated companies	924	53,811	219,291,583	41,955,489	559,696,472	1,191,917,286
Co-operatives	4	157	669,270	18,496	2,916,729	3,977,912
Totals	1,137	54,708	222,044,489	42,101,741	565,746,391	1,203,411,197
17. Miscellaneous manufacturing industries:						
Individual ownership	550	2,166	5,738,509	314,744	6,309,635	15,676,565
Partnerships	175	1,253	3,176,593	138,048	3,911,775	8,855,488
Incorporated companies	854	31,523	100,966,089	4,075,142	138,438,183	330,481,370
Totals	1,579	34,942	109,881,191	4,527,934	148,659,593	355,013,423

¹ Consists of industry "Publishing (only) of Periodicals".

TABLE 20. Principal Statistics of the Major Industrial Groups of the Manufacturing Industries of Canada, Classified by Size and by Type of Ownership, 1957

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Total manufacturing						
Under \$25,000:						
Individual ownership	9,239	17,955	28,438,244	2,884,103	38,562,328	86,838,735
Partnerships	1,937	5,119	7,309,342	637,840	8,338,711	20,054,084
Incorporated companies	1,267	3,622	7,223,361	633,089	6,813,985	16,619,212
Co-operatives	77	160	168,407	30,030	888,348	1,015,821
Not classifiable	1,259	1,344	1,281,276	—	5,699,295	7,956,809
Total	13,779	28,200	44,420,630	4,185,062	60,302,667	132,484,661
\$25,000 to \$99,999:						
Individual ownership	4,390	26,850	59,810,286	5,557,711	110,853,624	214,627,365
Partnerships	1,661	12,059	28,784,213	2,144,712	40,807,636	87,180,620
Incorporated companies	3,485	30,061	77,722,089	5,753,654	91,231,019	209,312,921
Co-operatives	285	1,136	1,890,565	372,344	14,883,548	18,236,283
Not classifiable	263	1,214	3,126,199	—	7,374,764	12,573,569
Total	10,084	71,320	171,333,352	13,828,421	265,150,591	541,930,758
\$100,000 to \$499,999:						
Individual ownership	1,057	14,429	35,701,636	3,501,085	110,053,240	177,539,966
Partnerships	703	12,551	34,403,057	2,483,021	77,649,228	137,312,989
Incorporated companies	6,446	156,995	460,063,765	30,897,924	776,235,992	1,573,087,721
Co-operatives	454	3,492	7,841,290	1,464,858	79,033,865	95,716,206
Not classifiable	92	2,026	4,770,265	—	9,511,179	18,713,649
Total	8,752	189,493	542,780,013	38,346,888	1,052,483,504	2,002,370,531
\$500,000 and over:						
Individual ownership	35	2,192	6,308,299	360,443	21,565,508	34,260,053
Partnerships	51	3,317	9,836,183	530,725	32,756,906	51,207,438
Incorporated companies	5,062	1,056,703	4,018,482,636	494,926,512	10,328,461,784	19,218,788,729
Co-operatives	103	6,109	20,318,222	3,133,737	129,953,808	171,406,690
Not classifiable	9	1,727	6,148,664	—	10,076,935	31,145,451
Total	5,260	1,070,048	4,061,094,004	498,951,417	10,522,814,941	19,506,808,361
Grand total	37,875	1,359,061	4,819,627,999	553,311,788	11,900,751,703	22,183,594,311
Foods and beverages						
Under \$25,000:						
Individual ownership	1,734	3,794	5,424,290	1,018,452	10,892,051	20,422,042
Partnerships	229	587	836,274	135,532	1,536,736	2,932,594
Incorporated companies	183	437	624,424	112,157	1,361,062	2,271,277
Co-operatives	72	149	157,929	29,505	855,568	964,826
Total	2,218	4,967	7,042,917	1,295,646	14,645,417	26,590,739
\$25,000 to \$99,999:						
Individual ownership	1,542	7,758	16,187,943	2,884,568	49,735,223	79,725,563
Partnerships	424	2,418	5,232,341	903,977	13,363,972	22,821,944
Incorporated companies	555	4,023	8,396,498	1,383,090	21,303,972	34,267,640
Co-operatives	279	1,041	1,756,291	360,966	14,643,862	17,787,179
Total	2,800	15,240	31,573,073	5,532,601	99,047,029	154,602,326
\$100,000 to \$499,999:						
Individual ownership	489	4,582	11,052,617	2,139,246	60,339,517	83,217,167
Partnerships	224	2,668	7,057,189	1,197,482	29,850,058	44,097,694
Incorporated companies	1,196	20,600	53,801,416	8,381,742	176,648,132	288,584,843
Co-operatives	446	3,294	7,399,594	1,431,137	77,967,711	93,864,216
Total	2,355	31,144	79,310,816	13,149,607	344,805,418	509,763,920
\$500,000 and over:						
Individual ownership	11	391	1,067,970	156,880	9,540,689	11,586,404
Partnerships	17	614	1,734,491	241,408	13,006,915	16,919,292
Incorporated companies	1,043	134,973	453,690,851	44,259,941	2,111,155,885	3,308,845,814
Co-operatives	92	4,848	15,604,997	2,344,348	112,176,093	143,662,797
Total	1,163	140,826	472,098,309	47,002,557	2,245,879,582	3,481,014,307
Grand total	8,536	192,177	590,025,115	66,980,411	2,704,377,446	4,171,971,292
Tobacco and tobacco products						
Under \$25,000:						
Individual ownership	11	17	23,090	1,470	19,746	55,546
Partnerships	—	—	—	—	—	—
Incorporated companies	5	8	11,269	4,559	15,373	30,087
Co-operatives	—	—	—	—	—	—
Total	16	25	34,359	6,029	35,119	85,633
\$25,000 to \$99,999:						
Individual ownership	1	38	82,493	6,828	96,528	193,726
Partnerships	—					
Incorporated companies	3					
Co-operatives	—					
Total	4	38	82,493	6,828	96,528	193,726

**TABLE 20. Principal Statistics of the Major Industrial Groups of the Manufacturing Industries of Canada,
Classified by Size and by Type of Ownership, 1957 — Continued**

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Tobacco and tobacco products — Concluded						
\$100,000 to \$499,999:						
Individual ownership	1	117	242,304	13,365	478,793	848,999
Partnerships	1					
Incorporated companies	1					
Co-operatives	1					
Total	4	117	242,304	13,365	478,793	848,999
\$500,000 and over:						
Individual ownership	—	—	—	—	—	—
Partnerships	—	—	—	—	—	—
Incorporated companies	24	9,725	32,963,665	818,392	160,099,982	248,605,998
Co-operatives	1					
Total	25	9,725	32,963,665	818,392	160,099,982	248,605,998
Grand total	49	9,905	33,322,821	844,614	160,710,422	249,734,356
Rubber products						
Under \$25,000:						
Individual ownership	5	13	17,759	1,226	18,692	42,879
Partnerships	3	5	7,857	1,008	8,686	24,897
Incorporated companies	6	22	45,619	2,125	27,271	106,520
Total	14	40	71,235	4,359	54,649	174,296
\$25,000 to 99,999:						
Individual ownership	3	27	68,377	9,737	101,365	219,712
Partnerships	1					
Incorporated companies	8					
Total	12	67	194,034	18,615	303,657	641,462
\$100,000 to \$499,999:						
Individual ownership	1	607	1,913,312	129,414	2,433,445	6,023,498
Partnerships	—					
Incorporated companies	19					
Total	20	607	1,913,312	129,414	2,433,445	6,023,498
\$500,000 and over:						
Individual ownership	—	—	—	—	—	—
Partnerships	—	—	—	—	—	—
Incorporated companies	42	21,464	81,010,999	4,809,136	141,455,017	319,252,052
Total	42	21,464	81,010,999	4,809,136	141,455,017	319,252,052
Grand total	88	22,178	83,189,580	4,961,524	144,246,768	326,091,308
Leather products						
Under \$25,000:						
Individual ownership	92	185	304,072	23,132	413,622	919,530
Partnerships	17	43	71,010	2,808	81,927	181,558
Incorporated companies	27	70	129,858	10,445	174,933	341,058
Total	136	298	504,940	36,385	670,482	1,442,146
\$25,000 to 99,999:						
Individual ownership	56	476	981,247	32,199	1,441,646	2,943,893
Partnerships	22	201	439,560	13,694	665,714	1,349,689
Incorporated companies	72	821	1,720,656	61,323	2,211,556	4,689,771
Total	150	1,498	3,141,463	107,216	4,318,916	8,983,353
\$100,000 to \$499,999:						
Individual ownership	23	658	1,532,446	36,783	2,326,742	4,552,602
Partnerships	14	448	1,068,517	19,628	1,567,939	3,210,022
Incorporated companies	162	6,551	15,157,218	435,213	21,199,165	43,270,605
Total	199	7,657	17,758,181	491,624	25,093,846	51,033,229
\$500,000 and over:						
Individual ownership	2	21,646	56,363,899	1,709,568	92,446,297	177,330,373
Partnerships	—					
Incorporated companies	137					
Total	139	21,646	56,363,899	1,709,568	92,446,297	177,330,373
Grand total	624	31,099	77,768,483	2,344,793	122,529,541	238,789,101
Textiles						
Under \$25,000:						
Individual ownership	149	382	656,894	44,333	548,486	1,608,438
Partnerships	33	118	197,504	11,589	175,396	484,578
Incorporated companies	25	99	178,184	6,358	117,140	373,001
Total	207	599	1,032,582	62,280	841,022	2,466,017

TABLE 20. Principal Statistics of the Major Industrial Groups of the Manufacturing Industries of Canada, Classified by Size and by Type of Ownership, 1957 - Continued

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Textiles - Concluded						
\$25,000 to \$99,999:						
Individual ownership	88	662	1,480,405	80,663	1,775,840	4,214,855
Partnerships	46	411	943,038	50,198	939,717	2,360,518
Incorporated companies	101	1,202	2,843,855	156,599	2,789,774	6,650,574
Co-operatives	1					
Total	236	2,275	5,267,298	287,460	5,505,331	13,225,945
\$100,000 to \$499,999:						
Individual ownership	25	444	1,003,224	68,187	2,243,904	4,256,392
Partnerships	18	413	1,018,345	57,351	1,588,582	3,204,642
Incorporated companies	202	5,285	13,895,782	861,725	27,919,003	51,864,300
Co-operatives	1					
Total	246	6,142	15,917,351	987,263	31,751,489	59,325,334
\$500,000 and over:						
Individual ownership	3	204	589,210	21,355	1,682,457	2,967,031
Partnerships	1					
Incorporated companies	236	59,292	178,772,371	14,037,020	372,653,602	669,682,214
Total	240	59,496	179,361,581	14,058,375	374,336,059	672,649,245
Grand total	929	68,512	201,578,812	15,395,378	412,433,901	747,666,541
Knitting mills						
Under \$25,000:						
Individual ownership	14	49	75,005	4,131	51,704	179,549
Partnerships	4	18	25,669	2,074	39,440	83,154
Incorporated companies	6	22	26,854	1,233	25,859	61,936
Total	24	89	127,528	7,438	117,003	324,639
\$25,000 to \$99,999:						
Individual ownership	20	118	259,765	14,413	393,488	859,603
Partnerships	8	98	189,380	5,902	269,919	500,849
Incorporated companies	38	372	765,905	23,708	1,219,672	2,396,831
Total	66	588	1,215,050	44,023	1,883,079	3,757,283
\$100,000 to \$499,999:						
Individual ownership	16	371	783,776	25,137	1,777,245	3,092,447
Partnerships	8	152	377,104	11,235	1,285,573	2,007,069
Incorporated companies	101	3,970	8,772,430	392,865	13,695,445	28,065,390
Total	125	4,493	9,933,310	429,237	16,758,263	33,164,906
\$500,000 and over:						
Individual ownership	1	406	990,779	11,748	1,986,945	3,690,385
Partnerships	4					
Incorporated companies	90	16,085	37,950,091	1,473,256	68,036,868	131,224,544
Total	95	16,491	38,940,870	1,485,004	70,023,813	134,914,929
Grand total	310	21,661	50,216,758	1,965,702	88,782,158	172,161,757
Clothing						
Under \$25,000:						
Individual ownership	241	819	1,287,527	46,190	1,051,831	2,895,088
Partnerships	63	269	435,264	14,767	330,579	941,180
Incorporated companies	53	235	383,173	10,859	356,703	823,355
Total	357	1,323	2,105,964	71,816	1,739,113	4,659,623
\$25,000 to \$99,999:						
Individual ownership	311	3,116	5,926,747	157,266	6,712,007	15,606,981
Partnerships	168	1,841	4,014,554	85,297	4,059,549	9,779,385
Incorporated companies	253	2,967	6,315,543	153,136	7,379,355	16,181,447
Total	732	7,924	16,256,844	395,699	18,150,911	41,567,813
\$100,000 to \$499,999:						
Individual ownership	115	2,444	5,410,217	105,729	10,223,282	19,153,967
Partnerships	134	3,331	8,428,329	151,894	15,648,610	28,555,798
Incorporated companies	798	24,614	58,956,357	1,062,659	106,123,868	200,287,322
Total	1,047	30,389	72,794,903	1,320,282	131,995,760	247,997,087
\$500,000 and over:						
Individual ownership	6	427	1,069,009	14,491	2,941,784	4,777,995
Partnerships	12	1,034	2,748,159	24,397	5,632,625	10,258,328
Incorporated companies	396	50,017	123,984,173	1,542,651	237,946,139	440,367,631
Total	414	51,478	127,801,341	1,581,539	246,520,548	455,403,954
Grand total	2,550	91,114	218,959,052	3,369,336	398,406,332	749,628,477

TABLE 20. Principal Statistics of the Major Industrial Groups of the Manufacturing Industries of Canada,
Classified by Size and by Type of Ownership, 1957 - Continued

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Wood products						
Under \$25,000:						
Individual ownership	4,759	8,021	10,282,778	1,003,563	18,017,103	37,122,779
Partnerships	1,070	2,584	2,547,586	242,579	4,039,562	8,614,273
Incorporated companies	306	767	1,267,361	130,630	1,649,902	3,650,643
Co-operatives	5	11	10,478	525	32,780	50,995
Total	6,140	11,383	14,108,203	1,377,297	23,739,347	49,438,690
\$25,000 to \$99,999:						
Individual ownership	1,339	7,727	16,094,393	1,378,648	33,957,186	63,899,395
Partnerships	483	3,182	6,959,323	547,012	12,405,802	24,360,858
Incorporated companies	711	5,697	14,013,638	1,195,221	19,883,929	41,567,134
Co-operatives	5	72	105,258	6,304	186,921	355,033
Total	2,538	16,678	37,172,612	3,127,185	66,433,838	130,182,420
\$100,000 to \$499,999:						
Individual ownership	236	3,573	8,765,026	765,492	22,292,031	39,522,574
Partnerships	142	2,522	6,815,473	499,707	14,581,347	26,484,657
Incorporated companies	1,172	28,866	81,927,947	5,451,591	151,317,492	285,482,328
Co-operatives	4	64	171,984	13,444	373,447	756,679
Total	1,554	35,025	97,680,430	6,730,234	188,564,317	352,246,238
\$500,000 and over:						
Individual ownership	4	217	658,628	45,248	2,377,365	3,911,837
Partnerships	3	306	834,353	27,055	1,460,960	2,700,232
Incorporated companies	555	63,230	218,205,942	8,850,227	447,500,318	796,691,443
Co-operatives	2					
Total	564	63,753	219,698,923	8,922,530	451,338,643	803,303,512
Grand total	10,796	126,839	368,660,168	20,157,246	730,076,145	1,335,170,860
Paper products						
Under \$25,000:						
Individual ownership	21	36	58,941	2,691	73,237	175,383
Partnerships	4	9	15,260	690	12,620	39,726
Incorporated companies	24	83	168,897	17,671	153,803	338,163
Total	49	128	243,098	21,052	239,660	553,272
\$25,000 to \$99,999:						
Individual ownership	19	110	275,642	19,282	610,760	1,058,418
Partnerships	4	17	46,721	2,053	106,672	184,253
Incorporated companies	53	447	1,080,704	76,318	1,594,071	3,015,157
Total	76	574	1,403,067	97,653	2,311,503	4,257,828
\$100,000 to \$499,999:						
Individual ownership	8	133	368,799	13,075	675,617	1,311,594
Partnerships	8	116	324,029	12,218	772,190	1,320,449
Incorporated companies	146	3,621	9,717,099	663,342	18,643,360	36,789,122
Total	162	3,870	10,409,927	688,635	20,091,167	39,421,165
\$500,000 and over:						
Individual ownership	2	282	894,512	38,206	2,095,810	3,432,789
Partnerships	1					
Incorporated companies	292	89,429	390,335,687	112,256,816	858,656,853	1,818,054,131
Total	295	89,711	391,230,199	112,295,022	860,752,663	1,821,486,920
Grand total	582	94,283	403,286,291	113,102,362	883,394,993	1,865,719,185
Printing, publishing and allied industries						
Under \$25,000:						
Individual ownership	878	1,867	4,042,605	249,201	2,657,656	9,086,552
Partnerships	184	528	1,116,202	61,866	689,610	2,376,197
Incorporated companies	157	490	1,076,903	57,756	692,872	2,289,960
Not classifiable	1,259	1,344	1,281,276	—	5,699,295	7,956,809
Total	2,478	4,229	7,516,986	368,823	9,739,433	21,709,518
\$25,000 to \$99,999:						
Individual ownership	342	2,456	6,697,825	239,374	4,587,289	15,293,153
Partnerships	170	1,360	3,940,929	143,122	2,465,518	8,398,875
Incorporated companies	456	4,284	12,453,059	425,346	7,551,618	26,225,370
Not classifiable	263	1,214	3,126,199	—	7,374,764	12,573,569
Total	1,231	9,314	26,218,012	807,842	21,999,189	62,490,967

TABLE 20. Principal Statistics of the Major Industrial Groups of the Manufacturing Industries of Canada,
Classified by Size and by Type of Ownership, 1957 - Continued

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Printing, publishing and allied industries — Concluded						
\$100,000 to \$499,999:						
Individual ownership	26	450	1,537,607	42,117	1,408,673	4,062,243
Partnerships	45	866	2,947,490	73,806	2,583,256	7,397,275
Incorporated companies	475	12,517	45,514,407	1,192,148	31,588,513	104,188,209
Co-operatives	1	2,040	4,818,051	557	9,547,741	18,820,843
Not classifiable	92					
Total	639	15,873	54,817,555	1,308,628	45,128,183	134,468,570
\$500,000 and over:						
Individual ownership	2	479	1,837,644	42,351	1,489,496	4,965,499
Partnerships	2					
Incorporated companies	221	42,588	176,724,299	3,365,646	155,685,145	474,013,868
Co-operatives	2	2,076	7,340,468	28,814	10,982,794	33,551,406
Not classifiable	9					
Total	236	45,143	185,902,411	3,436,811	168,157,435	512,530,773
Grand total	4,584	74,559	274,454,964	5,922,104	245,024,240	731,199,828
Iron and steel products						
Under \$25,000:						
Individual ownership	383	959	2,226,357	167,622	1,561,795	4,923,286
Partnerships	107	320	653,804	50,439	486,905	1,491,704
Incorporated companies	113	338	795,132	49,672	450,445	1,566,168
Total	603	1,617	3,675,293	267,733	2,499,145	7,981,158
\$25,000 to \$99,999:						
Individual ownership	273	1,980	5,269,165	294,153	3,949,802	12,586,714
Partnerships	144	1,141	3,259,451	174,286	2,612,283	7,737,714
Incorporated companies	441	3,900	11,841,930	595,643	9,116,318	27,266,130
Total	858	7,021	20,370,546	1,064,082	15,678,403	47,590,558
\$100,000 to \$499,999:						
Individual ownership	38	566	1,878,637	111,901	2,447,257	5,810,112
Partnerships	41	793	2,779,515	124,257	3,611,646	8,123,590
Incorporated companies	818	19,363	70,571,775	3,364,358	80,614,340	195,126,422
Total	897	20,722	75,229,927	3,600,516	86,673,243	209,060,124
\$500,000 and over:						
Individual ownership	1	475	1,829,913	100,916	7,053,790	10,779,166
Partnerships	6					
Incorporated companies	707	168,720	705,987,221	60,243,890	1,275,016,043	2,636,737,072
Co-operatives	1	169,195	707,817,134	60,344,806	1,282,069,833	2,647,516,238
Total	715					
Grand total	3,073	198,555	807,092,900	65,277,137	1,386,920,624	2,912,148,078
Transportation equipment						
Under \$25,000:						
Individual ownership	107	226	558,066	29,295	367,763	1,070,753
Partnerships	32	74	176,870	7,753	112,299	334,904
Incorporated companies	24	67	170,111	6,062	68,971	247,389
Total	163	367	905,047	43,110	549,033	1,653,046
\$25,000 to \$99,999:						
Individual ownership	41	296	790,372	37,419	941,508	2,113,470
Partnerships	19	123	369,047	17,157	419,394	924,531
Incorporated companies	62	521	1,639,581	97,367	1,495,405	3,645,406
Total	122	940	2,799,000	151,943	2,856,307	6,683,407
\$100,000 to \$499,999:						
Individual ownership	8	119	382,336	13,943	530,084	1,226,786
Partnerships	7	111	343,254	15,097	725,459	1,268,329
Incorporated companies	134	3,834	13,744,082	551,719	13,845,239	33,373,858
Total	149	4,064	14,469,672	580,759	15,100,782	35,868,973
\$500,000 and over:						
Individual ownership	—	—	—	—	—	—
Partnerships	189	139,268	573,287,662	21,505,095	1,269,736,526	2,224,997,556
Incorporated companies	189	139,268	573,287,662	21,505,095	1,269,736,526	2,224,997,556
Total	189	139,268	573,287,662	21,505,095	1,269,736,526	2,224,997,556
Grand total	623	144,639	591,461,381	22,280,907	1,288,242,648	2,269,202,982

TABLE 20. Principal Statistics of the Major Industrial Groups of the Manufacturing Industries of Canada, Classified by Size and by Type of Ownership, 1957 — Continued

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Non-ferrous metal products						
Under \$25,000:						
Individual ownership	88	178	385,854	28,964	357,225	972,241
Partnerships	27	78	184,716	8,675	163,637	409,208
Incorporated companies	39	144	389,386	33,737	214,479	537,564
Total	154	400	959,956	71,376	735,341	1,919,013
\$25,000 to \$99,999:						
Individual ownership	40	270	730,068	30,754	911,586	2,003,064
Partnerships	25	166	442,284	22,518	616,457	1,245,159
Incorporated companies	67	545	1,547,127	79,798	1,608,426	4,034,938
Total	132	981	2,719,479	133,070	3,136,469	7,283,161
\$100,000 to \$499,999:						
Individual ownership	14	239	703,625	25,340	1,297,282	2,517,871
Partnerships	11	171	542,639	29,393	1,067,207	2,122,732
Incorporated companies	153	3,789	11,834,359	592,569	16,641,842	35,411,855
Total	178	4,199	13,080,623	647,302	19,006,331	40,052,458
\$500,000 and over:						
Incorporated companies	128	49,001	211,508,330	64,649,659	991,267,374	1,634,127,808
Total	128	49,001	211,508,330	64,649,659	991,267,374	1,634,127,808
Grand total	592	54,581	228,268,388	65,501,407	1,014,145,515	1,683,382,440
Electrical apparatus and supplies						
Under \$25,000:						
Individual ownership	15	42	87,350	3,210	73,875	183,143
Partnerships	2					
Incorporated companies	21	38	117,563	3,934	106,412	257,055
Total	38	80	204,913	7,144	180,287	440,198
\$25,000 to \$99,999:						
Individual ownership	17	87	215,542	12,816	400,816	766,827
Partnerships	6	43	139,230	8,452	138,125	335,075
Incorporated companies	63	465	1,432,587	73,780	1,550,076	3,520,950
Total	86	595	1,787,359	95,048	2,089,017	4,622,852
\$100,000 to \$499,999:						
Individual ownership	3	26	70,652	3,466	171,894	350,615
Partnerships	3	77	192,693	7,868	559,268	916,835
Incorporated companies	137	3,555	10,630,894	417,340	17,797,834	36,586,913
Total	143	3,658	10,894,239	428,674	18,528,996	37,854,363
\$500,000 and over:						
Partnerships	1					
Incorporated companies	218	77,099	307,530,136	8,994,198	477,444,343	1,035,295,499
Total	219	77,099	307,530,136	8,994,198	477,444,343	1,035,295,499
Grand total	486	81,432	320,416,647	9,525,064	498,242,643	1,078,212,912
Non-metallic mineral products						
Under \$25,000:						
Individual ownership	262	557	1,052,230	116,704	1,038,093	2,739,452
Partnerships	59	209	415,062	53,788	279,748	842,481
Incorporated companies	65	226	460,874	78,647	317,794	932,659
Total	386	992	1,928,166	249,139	1,635,635	4,514,592
\$25,000 to \$99,999:						
Individual ownership	97	615	1,517,752	189,792	1,751,332	4,558,700
Partnerships	57	429	1,079,412	103,520	1,087,545	2,924,895
Incorporated companies	159	1,367	3,754,560	726,527	2,770,542	8,973,667
Total	313	2,411	6,351,724	1,019,839	5,609,419	16,457,262
\$100,000 to \$499,999:						
Individual ownership	13	178	567,682	83,558	973,355	2,021,993
Partnerships	22	341	1,078,041	214,526	1,377,805	3,822,716
Incorporated companies	287	6,352	21,434,107	4,577,442	26,253,138	69,447,816
Co-operatives	1					
Total	323	6,871	23,079,830	4,875,526	28,604,298	75,292,525

TABLE 20. Principal Statistics of the Major Industrial Groups of the Manufacturing Industries of Canada, Classified by Size and by Type of Ownership, 1957 - Continued

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Non-metallic mineral products - Concluded						
\$500,000 and over:						
Individual ownership	1	119	452,126	125,160	1,768,434	2,916,147
Partnerships	3					
Incorporated companies	205	29,727	118,501,339	45,699,466	172,364,128	502,984,211
Total	209	29,846	118,953,465	45,824,626	174,132,562	505,900,358
Grand total	1,231	40,120	150,313,185	51,969,130	209,981,914	602,164,737
Products of petroleum and coal						
Under \$25,000:						
Individual ownership	3	5	9,378	589	17,409	38,500
Incorporated companies	4	10	25,242	1,844	33,674	73,960
Total	7	15	34,620	2,433	51,083	112,460
\$25,000 to \$99,999:						
Incorporated companies	7	29	90,575	18,677	247,143	458,931
Total	7	29	90,575	18,677	247,143	458,931
\$100,000 to \$499,999:						
Incorporated companies	24	365	1,453,459	291,712	2,697,464	6,095,806
Total	24	365	1,453,459	291,712	2,697,464	6,095,806
\$500,000 and over:						
Incorporated companies	67	17,348	87,109,120	58,772,176	895,834,739	1,485,258,640
Co-operatives	1					
Total	68	17,348	87,109,120	58,772,176	895,834,739	1,485,258,640
Grand total	106	17,757	88,687,774	59,084,998	898,830,429	1,491,925,837
Chemicals and allied products						
Under \$25,000:						
Individual ownership	114	197	411,297	23,745	312,703	905,676
Partnerships	17	30	54,219	4,343	42,179	132,866
Incorporated companies	107	269	655,404	42,333	488,712	1,307,066
Total	238	496	1,120,920	70,421	843,594	2,345,608
\$25,000 to \$99,999:						
Individual ownership	46	206	590,897	35,896	874,890	1,832,576
Partnerships	17	129	388,051	17,282	345,609	944,640
Incorporated companies	167	1,182	3,332,729	224,165	4,672,275	10,528,097
Total	230	1,517	4,311,677	277,343	5,892,774	13,305,313
\$100,000 to \$499,999:						
Individual ownership	10	74	258,918	20,131	910,051	1,544,647
Partnerships	3	35	100,811	6,424	139,003	433,740
Incorporated companies	292	4,487	15,727,260	1,367,791	33,895,333	73,517,494
Total	305	4,596	16,086,989	1,394,346	34,944,387	75,495,881
\$500,000 and over:						
Individual ownership ¹						
Partnerships ¹						
Incorporated companies	358	47,873	199,576,190	40,322,000	520,640,152	1,106,564,629
Co-operatives	6	226	948,713	37,631	3,425,484	5,699,766
Total	364	48,099	200,524,903	40,359,631	524,065,636	1,112,264,395
Grand total	1,137	54,708	222,044,489	42,101,741	565,746,391	1,203,411,197
Miscellaneous industries						
Under \$25,000:						
Individual ownership	381	867	2,152,096	144,268	2,211,284	5,817,972
Partnerships	86	241	556,985	39,729	328,276	1,136,584
Incorporated companies	102	297	697,107	63,067	558,580	1,411,351
Total	569	1,405	3,406,188	247,064	3,098,140	8,365,907
\$25,000 to \$99,999:						
Individual ownership	169	1,299	3,586,413	170,476	4,098,351	9,858,593
Partnerships	67	498	1,333,392	49,061	1,276,581	3,283,256
Incorporated companies	269	2,193	6,326,253	454,683	5,608,520	15,400,923
Total	505	3,990	11,246,058	674,220	10,983,452	28,542,772

¹ Included with Co-operatives.

TABLE 20. Principal Statistics of the Major Industrial Groups of the Manufacturing Industries of Canada, Classified by Size and by Type of Ownership, 1957 - Concluded

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Miscellaneous industries - Concluded						
\$100,000 to \$499,999:						
Partnerships	21	458	1,172,972	46,035	1,968,129	3,809,245
Incorporated companies	329	8,694	25,186,212	1,173,874	35,319,298	79,611,403
Total	350	9,152	26,359,184	1,219,909	37,287,427	83,420,648
\$500,000 and over:						
Partnerships	1	20,395	68,869,761	2,386,741	97,290,574	234,684,096
Incorporated companies	154					
Total	155	20,395	68,869,761	2,386,741	97,290,574	234,684,096
Grand total	1,579	34,942	109,881,191	4,527,934	148,659,593	355,013,423

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1957, from the standpoint of gross value of

production or value of shipments is compared with their respective ranks in significant years since 1922.

Industry	Rank in						
	1957	1949	1944	1939	1933	1929	1922
Pulp and paper	1	1	5	2	1	1	2
Petroleum products	2	5	14	6	6	10	9
Non-ferrous metals smelting and refining	3	3	2	1	2	9	1
Motor vehicles	4	4	7	5	11	4	6
Slaughtering and meat packing	5	2	1	3	3	2	3
Primary iron and steel	6	8	13	11	31	16	20
Sawmills	7	6	11	8	14	5	4
Butter and cheese	8	7	10	4	5	6	5
Aircraft and parts	9	1	4	1	1	1	1
Railway rolling stock	10	9	16	16	23	7	24

¹ Did not rank among the forty leading industries that year.

A prominent feature of Canadian Manufacturing development during the past twenty-five years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base-metal resources of the country, has taken its place among the leading manufactures, along with the industries based upon forest, agricultural and live-stock resources. Another feature of this development in manufacturing production is the rise of the petroleum products industry from fourteenth place in 1944 to second place since 1957. This is the direct result of the recent discoveries and development of the large oil resources of the Prairie Provinces and the rapid industrialization of Canada during the past decade.

The incidence of the depression resulted in a re-arrangement of the ranking of many industries which in some cases has proved to be temporary. During the war, the industries engaged in producing the equipment needed by the armed forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. When the war ended, the industries engaged in the production of consumer goods, by reason of the expanded demand for their products, bettered their position. Pulp and paper, after a lapse of a number of years, resumed its premier position.

The impetus given to Canadian manufacturing production by the Korean war is reflected in the advance of the aircraft industry to ninth position. This industry which did not rank among the forty leading industries before World War II was in

fourth place in 1944 and sixteenth place in 1952. The shipbuilding industry also bettered its position as a result of the defence program occasioned by the Korean war. This industry which did not rank among the forty leading industries in 1949 advanced to thirty-fourth place in 1952 and 1954. With the slackening in defence spending, operations declined with the result that since 1955 this industry, again, does not rank among the forty leading industries.

The recovery from the minor recession experienced in 1954 resulted in some major changes in the ranking of the leading industries. Volume of output of the durable goods industries between 1954 and 1957 advanced by 17.1 p.c. as compared with 14.9 p.c. for non-durable goods. A number of the industries producing durable goods accordingly bettered their position since 1954. Motor vehicles advanced from fifth to fourth place, primary iron and steel from eighth to sixth place, railway rolling stock from eleventh to tenth place. Petroleum products which is a non-durable goods industry also advanced from third to second place. A number of the industries producing non-durable goods declined in relative importance. In this category were: slaughtering and meat packing which declined from fourth to fifth place, sawmills from sixth to seventh place, and butter and cheese from seventh to eighth place. Non-ferrous metal smelting and refining which is credited to the durable goods sector also declined during the period, dropping from second to third place. Pulp and paper and aircraft and parts retained the same position in both years, viz. first and ninth place respectively.

TABLE 21. Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Selling Value of Factory Shipments, 1957

No.	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		number			dollars		
1	Pulp and paper	128	65,940	307,627,849	617,175,797	693,475,562	1,411,934,462
2	Petroleum refining	64	14,308	73,887,074	827,470,815	496,689,523	1,376,558,762 ²
3	Non-ferrous metal smelting and refining	23	29,613	134,775,206	770,004,696	450,666,165	1,280,145,652 ²
4	Motor vehicles	16	33,193	143,629,874	658,913,303	282,786,302	948,596,660
5	Slaughtering and meat packing	160	25,091	94,430,835	720,777,919	181,608,709	907,088,241
6	Primary iron and steel	51	35,944	170,779,346	329,582,384	344,565,954	704,565,791
7	Sawmills	6,276	50,664	143,166,269	309,580,668	237,700,416	555,688,385 ²
8	Butter and cheese	1,322	20,384	64,080,979	352,690,914	112,483,561	469,851,749
9	Aircraft and parts	70	41,616	179,699,179	148,546,515	271,064,498	424,442,713 ²
10	Railway rolling stock	30	27,909	104,168,142	241,830,731	140,475,504	386,722,053 ²
11	Miscellaneous electrical apparatus and sup- plies	172	27,610	106,926,788	183,773,182	190,814,721	381,078,923
12	Machinery, industrial	360	27,691	109,192,218	153,043,170	210,725,054	363,000,234
13	Miscellaneous food preparations	308	10,003	32,561,621	227,639,112	106,615,482	336,291,786
14	Bread and other bakery products	2,635	35,443	99,777,843	155,755,549	163,882,067	331,131,927
15	Rubber products	88	22,178	83,189,580	144,246,768	176,456,204	326,091,308
16	Motor vehicle parts	205	20,426	82,943,875	164,311,970	144,243,266	315,395,590
17	Printing and publishing	773	30,930	122,602,862	88,247,543	223,553,273	314,344,145
18	Sheet metal products	432	19,733	77,109,470	167,831,957	136,675,531	309,498,908
19	Furniture	1,962	32,681	97,887,349	151,310,343	152,955,681	307,340,601
20	Machinery, heavy, electrical	78	24,234	103,078,674	114,474,507	182,442,834	301,241,082
21	Castings, iron	201	16,777	67,255,724	142,250,365	133,477,902	276,048,007
22	Clothing, men's, factory	559	32,024	77,124,466	152,560,645	121,064,345	272,425,612
23	Fruit and vegetable preparations	430	17,742	43,711,739	173,507,528	105,081,914	265,469,913
24	Boxes and bags, paper	220	15,941	52,625,854	154,308,367	97,119,253	253,497,145
25	Clothing, women's, factory	670	26,192	66,393,053	132,232,239	113,136,082	245,394,628
26	Printing and bookbinding	1,892	26,952	92,439,189	91,880,379	151,527,441	244,690,618
27	Bridge and structural steel	58	15,974	70,956,268	117,061,824	112,319,961	231,450,499 ²
28	Breweries	57	8,413	37,003,146	59,229,700	169,990,773	231,116,361
29	Sash, door and planing mills	1,781	18,869	53,235,719	137,792,419	82,654,934	224,579,465
30	Miscellaneous chemical products, n.e.s.	267	12,446	50,232,825	112,633,167	98,222,608	220,155,372
31	Feeds, stock and poultry, prepared	855	6,513	18,197,946	167,659,149	47,545,619	219,238,671
32	Cotton yarn and cloth	51	21,131	57,252,095	129,868,827	86,853,081	218,903,437
33	Telecommunication equipment	127	18,503	68,088,842	105,999,742	111,127,430	217,726,717
34	Acids, alkalies and salts	54	9,981	46,965,641	95,237,538	104,278,255	215,834,187
35	Flour mills	73	4,417	15,214,225	168,634,527	34,189,050	204,376,285
36	Tobacco, cigars and cigarettes	33	8,372	29,349,732	100,293,925	82,037,358	182,794,564
37	Brass and copper products	160	8,825	34,803,463	111,347,089	67,852,993	182,396,315
38	Shipbuilding	68	18,417	71,166,172	63,941,511	101,093,592	167,158,789 ²
39	Synthetic textiles	44	15,251	51,033,746	79,135,506	85,273,644	163,809,960
40	Concrete products	649	10,369	36,925,763	79,467,786	77,917,728	162,897,684
	Totals, leading industries	23,402	908,700	3,371,490,841	8,902,250,076	8,882,644,270	16,150,973,201
	Totals, all industries	37,875	1,359,061	4,819,627,999	11,900,751,703	9,822,064,726	22,183,594,311

¹ See footnote 1, Table 1.² Reported on a production basis.

SECTION 4. PRINCIPAL FACTORS IN MANUFACTURING PRODUCTION

The subjects treated under this Section include capital, inventories, employment, salaries and wages, size of establishments and power and fuel used in manufacturing.

Subsection 1. Capital and Repair Expenditures

Prior to 1944 the following information on capital investment was collected: Fixed Capital—Land, buildings, fixtures, machinery, tools and other equipment. Working Capital—(1) Inventory value of raw materials, stocks in process, fuel and miscellaneous supplies on hand; (2) Inventory value of finished products; (3) Cash, bills and accounts receivable, prepaid expenses, etc. This was replaced by the collection of statistics on the expenditure on fixed capital and repairs.

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000 and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

Capital expenditures by manufacturers in 1957 totalled \$519,900,000 for construction and \$959,000,000 for machinery and equipment, while \$613,900,000 went for repairs. Of the total

capital expenditures amounting to \$1,478,900,000 in 1957, 18.0 p.c. was reported by paper products, 12.1 p.c. by iron and steel products, 10.1 p.c. by chemicals and allied products, 9.8 p.c. by non-ferrous metal products, 8.8 p.c. by products of petroleum and coal, 7.9 p.c. by foods and beverages, 5.3 p.c. by non-metallic mineral products, 4.2 p.c. by transportation equipment, etc.

Of the groups reporting capital expenditures of \$50,000,000 or more in 1957 seven reported increases and only one, viz. non-metallic mineral products a decrease of \$41,400,000. In 1956 wood products also reported capital expenditures of over \$50,000,000 which declined to \$39,000,000 in 1957. Of the groups reporting increases, products of petroleum and coal with \$37,000,000 led the list, followed by non-ferrous metal products with \$27,000,000, iron and steel products \$17,100,000, paper products \$8,900,000, foods and beverages \$8,000,000, chemicals and allied products \$4,800,000 and transportation equipment \$2,100,000. Besides the wood products group which reported a decline of \$11,800,000 in 1957, the leather products group was the only other group to report a decline which amounted to \$700,000.

Variation in Capital Expenditure 1957 Compared with 1956

Group	1957	1956	Variation
		\$'000,000	
Paper products	266.3	257.4	+ 8.9
Iron and steel products	179.6	162.5	+17.1
Chemicals and allied products	149.7	144.9	+ 4.8
Non-ferrous metal products	144.4	117.4	+27.0
Products of petroleum and coal	130.0	93.0	+37.0
Foods and beverages	117.1	109.1	+ 8.0
Non-metallic mineral products	78.6	120.0	-41.4
Transportation equipment	62.4	60.3	+ 2.1
All groups	1,478.9	1,393.8	+85.1

Capital expenditures in 1957 increased by \$85,100,000 as compared with an increase of \$447,500,000 in 1956 which had the highest annual increase on record. Since 1950 there were five years with increased capital expenditures. These were—1951, 1952, 1955, 1956 and 1957. Two years, viz. 1953 and 1954 reported declines. The greatest decline amounting to \$146,900,000 occurred in 1954 and reflects the recession of that year.

Expenditures on capital assets which averaged \$1,054,000,000 during the past seven years reflect the expansion and modernization which the manufacturing industries of Canada have experienced. Although the expansion was at a rapid rate, not all provinces, however, shared in this expansion at an equal rate. Newfoundland had relatively the highest capital expenditures of any province, the percentage of capital expenditures to the value of factory shipments during the period 1950-54 being 11.0 more than

double the Canada average. Alberta with 10.7 was in second place and British Columbia with 7.3 was in third place. Ontario and Saskatchewan equalled the Canada average of 4.9, while Prince Edward Island, Nova Scotia, New Brunswick, Quebec and Manitoba were below this figure.

Some changes in the pattern of capital expenditures was evident during the period 1955 to 1957. All provinces, with the exception of Newfoundland and Prince Edward Island, reported higher expenditures in dollar values. British Columbia with 11.6 p.c. displaced Newfoundland from the premier position as regards capital expenditures as a percentage of value of shipments. With the exception of Newfoundland, Prince Edward Island and Saskatchewan, all provinces reported increases in the percentage of capital expenditures in relation to shipments. For Canada as a whole the percentage rose from 4.9 in the 1950-54 period to 6.0 in the 1955-57 period.

Comparison of Capital Expenditures with Value of Factory Shipments, 1950-1957

Province	Annual average, 1950-54			Annual average, 1955-57		
	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments
	\$'000,000		p.c.	\$'000,000		p.c.
Newfoundland.....	10.9	98.7	11.0	10.5	119.0	8.8
Prince Edward Island	0.7	22.8	3.2	0.3	24.4	1.2
Nova Scotia	12.0	301.3	4.0	21.7	380.9	5.7
New Brunswick	11.6	289.6	4.0	14.9	306.6	4.9
Quebec	194.2	5,003.5	3.9	325.5	6,408.2	5.1
Ontario	401.2	8,135.9	4.9	572.6	10,450.4	5.5
Manitoba	17.0	553.5	3.1	27.6	633.4	4.4
Saskatchewan.....	12.5	255.0	4.9	14.3	299.8	4.8
Alberta	53.9	502.1	10.7	79.0	709.6	11.1
British Columbia	97.8	1,342.3	7.3	206.6	1,774.7	11.6
Canada	811.8	16,506.5	4.9	1,273.0	21,111.4	6.0

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1957, with Totals for 1944-56

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
1944	61.3	150.1	211.4	60.7	173.5	234.2
1945	75.9	204.2	280.1	63.1	170.6	233.7
1946	132.2	205.0	337.2	56.8	164.3	221.1
1947	184.7	343.2	527.9	62.4	210.7	273.1
1948	184.8	394.2	579.0	78.9	253.9	332.8
1949	156.6	379.2	535.8	66.7	267.2	333.9
1950	135.4	367.1	502.5	67.6	279.0	346.6
1951	267.6	525.0	792.6	85.0	337.0	422.0
1952	343.6	629.0	972.6	95.2	363.5	458.7
1953	324.5	644.5	969.0	94.6	385.5	480.1
1954	287.6	534.5	822.1	87.6	390.9	478.5
1955	344.5	601.8	946.3	100.6	413.0	513.6
1956	487.7	906.1	1,393.8	112.2	465.6	577.8
Provinces, 1957						
Newfoundland	2.0	10.9	12.9	1.7	6.3	8.0
Prince Edward Island	—	0.2	0.2	0.1	0.1	0.2
Nova Scotia	6.8	10.9	17.7	6.5	9.9	16.4
New Brunswick	3.5	11.7	15.2	1.3	9.8	11.1
Quebec	119.6	256.2	375.8	31.7	131.9	163.6
Ontario	219.5	456.4	675.9	50.2	261.8	312.0
Manitoba	18.6	11.8	30.4	4.2	9.4	13.6
Saskatchewan	5.2	9.4	14.6	2.8	2.4	5.2
Alberta	27.8	33.8	61.6	7.6	13.5	21.1
British Columbia	116.9	157.7	274.6	9.3	53.4	62.7
Totals	519.9	959.0	1,478.9	115.4	498.5	613.9
Industrial group, 1957						
Foods and beverages	36.3	80.8	117.1	13.0	51.0	64.0
Tobacco and tobacco products	1.9	7.2	9.1	1.1	2.7	3.8
Rubber products	6.1	10.9	17.0	1.1	7.8	8.9
Leather products	1.3	2.3	3.6	0.7	2.3	3.0
Textile products (except clothing)	7.9	31.4	39.3	3.1	18.1	21.2
Clothing (textile and fur) ¹	1.2	9.6	10.8	1.1	4.4	5.5
Wood products	10.3	28.7	39.0	6.5	27.6	34.1
Paper products	66.3	200.0	266.3	8.1	90.1	98.2
Printing, publishing and allied industries	17.3	22.8	40.1	2.0	5.7	7.7
Iron and steel products	54.5	125.1	179.6	16.6	100.1	116.7
Transportation equipment	18.1	44.3	62.4	11.6	33.8	45.4
Non-ferrous metal products	69.9	74.5	144.4	8.5	54.0	62.5
Electrical apparatus and supplies	13.8	30.5	44.3	3.3	15.4	18.7
Non-metallic mineral products	29.4	49.2	78.6	3.1	35.9	39.0
Products of petroleum and coal	113.4	16.6	130.0	26.0	5.9	31.9
Chemicals and allied products	65.6	84.1	149.7	8.1	39.6	47.7
Miscellaneous industries	6.6	8.5	15.1	1.5	4.1	5.6
Capital items charged to operating expenses	—	132.5	132.5	—	—	—

¹ Includes knitting mills.

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-57

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Newfoundland:						
1948 .....	..	..	..	..	..	..
1949	2.3	6.0	8.3	1.5	3.6	5.1
1950	2.0	5.5	7.5	1.0	3.0	4.0
1951	3.4	6.4	9.8	1.2	4.2	5.4
1952	5.4	9.7	15.1	0.9	8.5	9.4
1953	5.2	8.1	13.3	1.6	4.1	5.7
1954	3.5	5.5	9.0	1.9	4.2	6.1
1955	2.6	6.6	9.2	1.3	5.6	6.9
1956	1.7	7.8	9.5	1.6	5.1	6.7
1957	2.0	10.9	12.9	1.7	6.3	8.0
Prince Edward Island:						
1948	0.1	0.3	0.4	0.1	0.2	0.3
1949	0.1	0.2	0.3	0.1	0.1	0.2
1950	0.4	0.5	0.9	0.1	0.2	0.3
1951	0.2	0.2	0.4	0.1	0.2	0.3
1952	0.4	0.6	1.0	0.2	0.2	0.4
1953	0.2	0.7	0.9	0.1	0.2	0.3
1954	—	0.2	0.2	0.1	0.3	0.4
1955	0.1	0.4	0.5	0.1	0.3	0.4
1956	—	0.2	0.2	—	0.2	0.2
1957	—	0.2	0.2	0.1	0.1	0.2
Nova Scotia:						
1948	5.9	6.5	12.4	5.0	5.8	10.8
1949	3.4	5.5	8.9	2.7	7.5	10.2
1950	1.7	5.9	7.6	4.0	5.1	9.1
1951	1.8	10.6	12.4	5.0	6.4	11.4
1952	6.7	10.2	16.9	7.0	8.1	15.1
1953	4.4	8.9	13.3	7.4	8.4	15.8
1954	2.9	7.0	9.9	6.1	7.2	13.3
1955	15.1	7.0	22.1	5.6	8.1	13.7
1956	15.8	9.4	25.2	6.9	9.0	14.9
1957	6.8	10.9	17.7	6.5	9.9	16.4
New Brunswick:						
1948	4.4	10.7	15.1	1.2	7.1	8.3
1949	2.6	10.0	12.6	1.2	6.5	7.7
1950	1.2	8.3	7.5	1.1	6.4	7.5
1951	4.2	13.3	17.5	1.7	7.8	9.5
1952	3.1	10.6	13.7	1.1	8.5	9.6
1953	2.1	8.8	10.9	1.7	9.0	10.7
1954	2.0	6.5	8.5	1.4	8.4	9.8
1955	2.5	9.8	12.3	2.1	8.5	10.6
1956	4.5	12.7	17.2	1.5	9.2	10.7
1957	3.5	11.7	15.2	1.3	9.8	11.1
Quebec:						
1948	58.1	127.3	185.4	20.5	76.6	97.1
1949	50.4	113.8	164.2	19.1	80.6	99.7
1950	44.0	108.5	152.5	19.2	81.7	100.9
1951	54.7	143.8	198.5	21.3	96.6	117.9
1952	66.0	164.9	230.9	25.5	103.9	129.4
1953	44.9	140.2	185.1	22.0	111.4	133.4
1954	72.4	131.5	203.9	22.9	113.9	136.8
1955	96.3	167.8	264.1	26.1	116.1	142.2
1956	114.1	222.6	336.7	30.2	130.8	161.0
1957	119.6	256.2	375.8	31.7	131.9	163.6

.. Not available.

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-57 — Concluded

Province	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
\$'000,000						
Ontario:						
1948.....	89.4	200.7	290.1	38.3	123.4	161.7
1949.....	63.1	177.1	240.2	30.0	127.3	157.3
1950.....	56.1	161.8	217.9	30.2	140.9	171.1
1951.....	137.8	257.4	395.2	39.4	170.4	209.8
1952.....	158.3	318.9	477.2	43.6	179.5	223.1
1953.....	169.3	330.1	499.4	43.5	200.2	243.7
1954.....	124.3	292.0	416.3	46.0	196.9	242.9
1955.....	121.0	290.7	411.7	43.3	209.4	252.7
1956.....	189.2	440.9	630.1	49.7	239.2	288.9
1957.....	219.5	456.4	675.9	50.2	261.8	312.0
Manitoba:						
1948.....	2.6	8.3	10.9	2.2	6.1	8.3
1949.....	3.6	9.9	13.5	2.3	6.5	8.8
1950.....	5.7	10.9	16.6	2.1	6.6	8.7
1951.....	7.9	9.7	17.6	2.5	7.5	10.0
1952.....	3.1	8.7	11.8	3.4	9.4	12.8
1953.....	2.8	9.0	11.8	3.2	9.1	12.3
1954.....	15.1	11.9	27.0	3.7	8.2	11.9
1955.....	12.4	15.9	28.3	4.0	7.5	11.5
1956.....	9.2	15.0	24.2	3.9	9.3	13.2
1957.....	18.6	11.8	30.4	4.2	9.4	13.6
Saskatchewan:						
1948.....	2.0	3.3	5.3	1.0	1.5	2.5
1949.....	3.5	7.0	10.5	0.6	2.4	3.0
1950.....	2.3	6.2	8.5	0.5	2.6	3.1
1951.....	3.7	9.5	13.2	1.2	2.4	3.6
1952.....	3.5	6.2	9.7	1.4	2.8	4.2
1953.....	13.2	4.6	17.8	1.9	2.9	4.8
1954.....	9.8	3.5	13.3	2.6	2.3	4.9
1955.....	5.3	3.6	8.9	3.0	1.9	4.9
1956.....	6.7	12.6	19.3	2.2	2.1	4.3
1957.....	5.2	9.4	14.6	2.8	2.4	5.2
Alberta:						
1948.....	9.6	6.7	16.3	2.0	4.8	6.8
1949.....	4.4	8.5	12.9	1.6	6.1	7.7
1950.....	3.2	13.4	16.6	1.7	6.1	7.8
1951.....	12.7	23.9	36.6	2.7	5.8	8.5
1952.....	43.4	31.8	75.2	4.1	7.1	11.2
1953.....	27.2	64.3	91.5	3.9	8.7	12.6
1954.....	22.3	27.3	49.6	4.2	10.2	14.4
1955.....	39.6	21.8	61.4	5.4	11.0	16.4
1956.....	55.5	58.6	114.1	5.9	10.9	16.8
1957.....	27.8	33.8	61.6	7.6	13.5	21.1
British Columbia:						
1948.....	12.7	30.4	43.1	8.6	28.4	37.0
1949.....	23.2	41.2	64.4	7.6	26.6	34.2
1950.....	18.8	48.1	66.9	7.7	26.4	34.1
1951.....	41.2	50.2	91.4	9.9	35.7	45.6
1952.....	53.7	67.4	121.1	8.0	35.5	43.5
1953.....	55.2	69.8	125.0	9.3	31.5	40.8
1954.....	35.3	49.1	84.4	8.7	39.3	48.0
1955.....	49.6	78.2	127.8	9.7	44.6	54.3
1956.....	91.0	126.3	217.3	11.3	49.8	61.1
1957.....	116.9	157.7	274.6	9.3	53.4	62.7

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-57

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Foods and beverages:						
1944 ¹	10.7	11.4	22.1	8.5	21.2	29.7
1946	24.7	28.4	53.1	12.3	20.5	32.8
1948	31.9	56.5	88.4	13.2	28.6	41.8
1950	26.0	49.2	75.2	10.0	31.6	41.6
1951	28.0	51.0	79.1	11.8	34.3	46.1
1952	26.6	50.7	77.3	12.5	36.0	48.5
1953	26.0	59.0	85.0	12.8	40.1	52.9
1954	38.6	65.7	104.3	13.2	41.2	54.4
1955	38.5	65.4	103.9	12.6	43.5	56.1
1956	32.6	76.5	109.1	12.2	45.0	57.2
1957	36.3	80.8	117.1	13.0	51.0	64.0
Tobacco and tobacco products:						
1944 ¹	—	—	—	—	—	—
1946	1.2	0.9	2.1	0.5	0.6	1.1
1948	0.8	1.9	2.7	0.5	1.3	1.8
1950	1.0	1.6	2.6	0.4	1.3	1.7
1951	0.5	1.7	2.2	0.4	1.3	1.7
1952	0.5	1.8	2.3	0.5	1.3	1.8
1953	1.0	2.2	3.2	0.6	1.5	2.1
1954	0.6	2.5	3.1	0.7	1.7	2.4
1955	1.6	2.8	4.4	0.9	1.7	2.6
1956	3.5	4.7	8.2	0.9	2.1	3.0
1957	1.9	7.2	9.1	1.1	2.7	3.8
Rubber products (including footwear):						
1944 ¹	—	—	—	—	—	—
1946	3.9	3.6	7.5	1.1	3.7	4.8
1948	1.5	4.5	6.0	0.9	4.6	5.5
1950	0.6	4.1	4.7	0.7	4.6	5.3
1951	2.0	5.9	7.9	0.9	5.5	6.4
1952	2.7	7.3	10.0	0.9	6.0	6.9
1953	4.1	11.1	15.2	1.3	6.1	7.4
1954	4.6	11.1	15.7	1.0	5.9	6.9
1955	3.0	12.1	15.1	0.8	6.8	7.6
1956	2.9	11.0	13.9	1.1	7.4	8.5
1957	6.1	10.9	17.0	1.1	7.8	8.9
Leather products:						
1944 ¹	—	—	—	—	—	—
1946	1.6	1.6	3.2	1.1	2.4	3.5
1948	1.2	2.2	3.4	1.0	2.6	3.6
1950	0.7	1.8	2.5	0.6	2.1	2.7
1951	0.9	1.9	2.8	0.6	2.1	2.7
1952	0.6	1.7	2.3	0.6	2.0	2.6
1953	0.9	2.2	3.1	0.7	2.3	3.0
1954	0.5	1.8	2.3	0.6	2.0	2.6
1955	0.5	1.8	2.3	0.6	2.2	2.8
1956	1.8	2.5	4.3	0.7	2.5	3.2
1957	1.3	2.3	3.6	0.7	2.3	3.0
Textile products (except clothing):						
1944	1.8	4.9	6.7	2.8	7.6	10.4
1946	8.4	16.2	24.6	3.3	10.2	13.5
1948	6.5	29.1	35.6	3.9	14.2	18.1
1950	6.6	20.8	27.4	3.5	15.9	19.4
1951	9.9	29.2	39.1	4.0	16.7	20.7
1952	7.0	24.5	31.5	3.8	15.6	19.4
1953	7.9	20.0	27.9	2.8	16.6	19.4
1954	7.5	21.0	28.5	2.7	14.3	17.0
1955	7.6	20.5	28.1	3.0	16.6	19.6
1956	10.3	28.0	38.3	3.4	17.1	20.5
1957	7.9	31.4	39.3	3.1	18.1	21.2
Clothing (textile and fur):²						
1944	2.8	1.1	3.9	3.8	3.3	7.1
1946	2.6	5.8	8.4	2.2	3.8	6.0
1948	2.1	10.2	12.3	2.2	4.8	7.0
1950	2.5	9.4	11.9	1.4	4.6	6.0
1951	4.1	9.1	13.2	1.4	4.7	6.1
1952	1.6	11.1	12.7	1.3	4.4	5.7
1953	3.8	10.6	14.4	1.5	4.5	6.0
1954	2.2	7.6	9.8	1.3	4.0	5.3
1955	1.4	7.9	9.3	1.3	3.9	5.2
1956	1.3	8.4	9.7	1.2	4.4	5.6
1957	1.2	9.6	10.8	1.1	4.4	5.5

See footnotes at end of table.

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-57 - Continued

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Wood products:						
1944	2.9	2.4	5.3	4.6	13.5	18.1
1946	10.9	9.5	20.4	5.7	12.2	17.9
1948	7.9	18.5	26.4	7.1	18.9	26.0
1950	8.1	21.3	29.4	5.4	19.4	24.8
1951	11.2	27.4	38.6	7.7	24.5	32.2
1952	9.3	22.5	31.8	6.1	23.5	29.6
1953	10.4	24.2	34.6	7.8	22.3	30.1
1954	8.4	24.5	32.9	6.5	24.1	30.6
1955	12.1	30.8	42.9	7.6	29.2	36.8
1956	14.0	36.8	50.8	7.4	28.8	36.2
1957	10.3	28.7	39.0	6.5	27.6	34.1
Paper products:						
1944	8.0	6.7	14.7	1.9	32.3	34.2
1946	27.2	27.8	55.0	5.3	28.4	33.7
1948	29.1	60.4	89.5	7.0	47.3	54.3
1950	21.1	57.4	78.5	8.0	51.7	59.7
1951	41.7	83.2	124.9	9.7	69.0	78.7
1952	33.6	95.9	129.5	8.3	72.9	81.2
1953	22.5	81.6	104.1	7.0	69.7	76.7
1954	21.6	65.7	87.3	8.2	75.1	83.3
1955	32.9	105.8	138.7	8.9	75.1	84.0
1956	85.1	172.3	257.4	10.3	85.6	95.9
1957	66.3	200.0	266.3	8.1	90.1	98.2
Printing, publishing and allied trades:						
1944	0.2	2.2	2.4	0.6	3.9	4.5
1946	2.9	4.4	7.3	1.3	2.4	3.7
1948	7.0	12.4	19.4	1.6	3.9	5.5
1950	5.0	14.4	19.4	1.7	4.1	5.8
1951	6.3	18.0	24.3	1.7	4.6	6.3
1952	3.3	11.0	14.3	1.5	4.1	5.6
1953	3.8	12.6	16.4	2.0	4.4	6.4
1954	11.7	19.7	31.4	2.4	4.9	7.3
1955	6.5	17.6	24.1	2.1	4.5	6.6
1956	5.3	20.2	25.5	1.6	5.5	7.1
1957	17.3	22.8	40.1	2.0	5.7	7.7
Iron and steel products:						
1944	10.1	22.2	32.3	6.5	26.2	32.7
1946	14.9	22.0	36.9	8.4	22.8	31.2
1948	19.6	36.7	56.3	12.0	38.4	50.4
1950	13.5	30.7	44.2	12.7	41.7	54.4
1951	47.1	50.1	97.2	13.0	58.9	71.9
1952	46.2	89.7	135.9	16.1	64.8	80.9
1953	35.5	78.5	114.0	15.6	70.8	86.4
1954	22.0	66.4	88.4	12.6	64.0	76.6
1955	27.0	68.2	95.2	12.7	75.6	88.3
1956	40.3	122.2	162.5	15.4	93.5	108.9
1957	54.5	125.1	179.6	16.6	100.1	116.7
Transportation equipment:						
1944	1.6	4.7	6.3	11.0	20.8	31.8
1946	5.4	10.3	15.7	3.7	14.4	18.1
1948	5.4	10.0	15.4	5.3	16.8	22.1
1950	9.9	17.4	27.3	5.7	20.0	25.7
1951	21.8	27.1	48.9	6.9	21.5	28.4
1952	37.1	25.0	62.1	11.6	31.1	42.7
1953	46.9	50.5	97.4	11.9	33.0	44.9
1954	20.9	44.3	65.2	10.9	30.0	40.9
1955	20.2	34.1	54.3	10.5	28.1	38.6
1956	16.7	43.6	60.3	10.6	32.0	42.6
1957	18.1	44.3	62.4	11.4	33.8	45.4
Non-ferrous metal products:						
1944	6.4	2.4	8.8	5.0	15.3	20.3
1946	2.3	5.3	7.6	3.1	12.2	15.3
1948	8.9	16.8	25.7	7.8	25.9	33.7
1950	8.9	13.5	22.4	4.0	24.6	28.6
1951	22.4	26.0	48.4	6.9	30.3	37.2
1952	35.1	35.6	70.7	8.5	34.2	42.7
1953	37.6	41.7	79.3	8.7	36.1	44.8
1954	20.3	33.3	53.6	8.7	40.1	48.8
1955	37.4	46.5	83.9	8.3	43.8	52.1
1956	62.4	55.0	117.4	11.4	50.9	62.3
1957	69.9	74.5	144.4	8.5	54.0	62.5

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-57 - Concluded

Group and year	Capital expenditures			Repair expenditures		
	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
	\$'000,000					
Electrical apparatus and supplies:						
1944 ¹	—	—	—	—	—	—
1946	3.0	8.7	11.7	1.2	5.0	6.2
1948	4.8	11.9	16.7	2.2	8.7	10.9
1950	3.1	10.6	13.7	2.0	10.5	12.5
1951	16.3	15.6	31.9	2.2	11.4	13.6
1952	21.8	18.6	40.4	2.8	11.7	14.5
1953	15.8	20.2	36.0	2.7	14.2	16.9
1954	11.7	20.0	31.7	3.1	13.6	16.7
1955	8.0	20.3	28.3	2.8	13.3	16.1
1956	14.7	26.8	41.5	3.8	15.6	19.4
1957	13.8	30.5	44.3	3.3	15.4	18.7
Non-metallic mineral products:						
1944	1.4	1.2	2.6	0.8	6.5	7.3
1946	3.5	4.2	7.7	1.4	8.4	9.8
1948	11.1	17.0	28.1	2.3	13.3	15.6
1950	4.4	12.0	16.4	1.6	15.7	17.3
1951	11.5	18.9	30.4	4.7	15.6	20.3
1952	11.2	23.1	34.3	3.9	16.6	20.5
1953	11.0	21.3	32.3	2.2	22.1	24.3
1954	19.6	23.6	43.2	2.8	23.8	26.6
1955	22.1	25.4	47.5	3.2	27.1	30.3
1956	51.4	68.6	120.0	3.0	31.7	34.7
1957	29.4	49.2	78.6	3.1	35.9	39.0
Products of petroleum and coal:						
1944 ¹	—	—	—	—	—	—
1946	5.2	4.6	9.8	2.4	5.2	7.6
1948	29.3	13.4	42.7	6.6	6.3	12.9
1950	14.3	18.5	32.8	4.8	9.7	14.5
1951	21.7	37.3	59.0	8.3	8.8	17.1
1952	41.1	36.4	77.5	11.2	9.5	20.7
1953	61.6	19.9	81.5	11.8	12.0	23.8
1954	79.6	14.0	93.6	15.7	11.5	27.2
1955	100.4	8.6	109.0	19.2	8.1	27.3
1956	83.9	9.1	93.0	21.6	8.1	29.7
1957	113.4	16.6	130.0	26.0	5.9	31.9
Chemicals and allied products:						
1944	1.4	1.6	3.0	3.7	8.1	11.8
1946	11.6	8.0	19.6	2.9	10.3	13.2
1948	15.0	26.9	41.9	4.3	15.8	20.1
1950	7.3	19.0	26.3	4.3	19.1	23.4
1951	19.2	38.5	57.7	4.0	24.8	28.8
1952	61.2	79.8	141.0	4.5	26.6	31.1
1953	32.0	90.3	122.3	4.3	26.5	30.8
1954	15.1	24.7	39.8	6.2	31.4	37.6
1955	21.6	34.7	56.3	4.9	30.2	35.1
1956	57.9	87.0	144.9	6.2	31.9	38.1
1957	65.6	84.1	149.7	8.1	39.6	47.7
Miscellaneous industries:						
1944	1.3	81.4 ³	82.7 ³	1.0	1.9	2.9
1946	2.9	43.7 ³	46.6 ³	0.9	1.8	2.7
1948	2.7	65.8 ³	68.5 ³	1.0	2.5	3.5
1950	2.4	3.6	6.0	0.8	2.4	3.2
1951	3.0	4.4	7.4	0.8	3.0	3.8
1952	4.7	4.1	8.8	1.1	3.2	4.3
1953	3.7	5.0	8.7	0.9	3.3	4.2
1954	2.7	4.5	7.2	1.0	3.3	4.3
1955	3.7	7.0	10.7	1.2	3.3	4.5
1956	3.6	8.7	12.3	1.4	3.5	4.9
1957	6.6	8.5	15.1	1.5	4.1	5.6

¹ Figures not compiled separately; they are, however, included in the total. See Table 22.

² Includes "Knitting mills".

³ Includes allowance for capital items charged to operating expense.

Subsection 2. Value of Manufacturing Inventory

As explained in the section on Capital Employed, the collection of statistics on capital investment by manufacturers was discontinued in 1944. This was replaced by the collection annually of expenditure statistics on fixed capital, repairs and maintenance from all large manufacturers, with estimates being made for the smaller establishments. As a result of this change no information was available on investment in inventory. Before long, however, the need for this information became apparent. Consequently, beginning with 1949, calendar year-end inventory values were collected separately from all manufacturing plants with an annual gross value of production of \$50,000 or over.

These values are inflated to a total by estimating for small firms in each industry on the basis of the gross value-inventory ratio of reporting firms.

Commencing with 1954 questions on inventory were put back on the forms used in the annual survey of manufactures. As a result, all establishments with shipments of \$50,000 or more were required to give this information. As in the case of the calendar year-end series, estimates for establishments with shipments of under \$50,000 were made on the same basis. By comparing the two series for 1954 it was found that they

differed slightly. This is mainly due to the difference in time of reporting this information. In the first series the figures refer to the end of December while in the second they refer to the company year which in a number of cases might be anywhere from the end of January to the end of June. The figures in the first series are accordingly higher by 3.6 p.c. This is due to the desire of most companies to have as low an inventory as possible at the end of their financial year. When the financial year is other than the calendar year they could and usually do report a higher figure for December than they do for the end of their financial year which is reported in the second series.

It should be noted that the calendar year-end values as shown in the table below are not strictly comparable with those published in previous general reviews on manufacturing, since the series previously published has been reduced by the entire value of inventories held but not owned, i.e. held under progress payments arrangements. The deduction was made from the goods in process component. In previous reviews an item of

total inventory holdings was shown separately, but no attempt was made to assign it to any specific component. While the assumption that all such inventory is part of goods in process is not strictly true, it is nevertheless a fairly good working approximation.

Company year-end inventory in 1957 totalled \$3,973,000,000 of which amount \$1,890,900,000 was reported as raw materials and supplies, \$844,900,000 goods in process and \$1,155,100,000 as finished goods, while \$82,100,000 was reported in total only by the fish processing and slaughtering and meat packing industries. The iron and steel group with \$697.5 million reported the highest inventory of any group. Foods and beverages with \$597.5 million came second, followed by paper products with \$338.5 million, transportation equipment \$325.2 million, non-ferrous metal products \$276.8 million, electrical apparatus and supplies \$253.4 million, chemicals and allied products \$251.7 million, wood products \$243.5 million, products of petroleum and coal \$203.6 million, etc.

TABLE 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-57¹

Year, province and industrial group	Total inventory	Raw materials and supplies	Goods in process	Finished goods
	\$'000,000			
1949.....	2,333.0	..	..	..
1950.....	2,638.0	1,448.0	472.0	718.0
1951.....	3,390.0	1,781.0	610.0	999.0
1952 ²	3,350.0	1,817.0	568.0	965.0
1953 ²	3,519.0	1,830.0	613.0	1,076.0
1954.....	3,212.2	1,592.5	608.6	1,011.1
1955.....	3,409.0	1,670.4	706.4	1,032.2
1956 ²	3,821.5	1,827.0	785.8	1,208.7
Province				
Newfoundland.....	23.1	16.0	0.9	4.5
Prince Edward Island.....	2.3	0.8	0.1	1.1
Nova Scotia.....	72.1	37.7	13.8	16.5
New Brunswick.....	57.2	37.9	6.4	10.3
Quebec.....	1,243.9	644.5	264.0	326.5
Ontario.....	1,975.2	872.7	471.1	611.9
Manitoba.....	99.6	53.5	11.7	29.6
Saskatchewan.....	41.7	18.4	2.7	18.1
Alberta.....	118.8	50.6	15.8	46.3
British Columbia.....	338.2	158.3	58.4	89.9
Yukon and Northwest Territories.....	0.9	0.5	..	0.4
Canada, 1957.....	3,973.0	1,890.9	844.9	1,155.1
Industrial group				
Foods, and beverages ⁴	597.5	194.3	138.8	182.3
Tobacco and tobacco products.....	75.4	55.7	2.9	16.8
Rubber products.....	58.5	17.5	7.5	33.5
Leather products.....	53.4	23.2	9.5	20.7
Textiles.....	193.8	72.3	42.8	78.7
Knitting mills.....	43.1	11.6	11.4	20.1
Clothing.....	139.1	76.6	17.6	44.9
Wood products ⁵	243.5	110.8	80.9	51.8
Paper products.....	338.5	273.9	10.9	53.7
Printing, publishing and allied industries.....	52.7	31.2	13.6	7.9
Iron and steel products.....	697.5	345.2	165.4	186.9
Transportation equipment.....	325.2	152.1	127.9	45.2
Non-ferrous metal products.....	276.8	163.4	58.3	55.1
Electrical apparatus and supplies.....	253.4	81.5	75.8	96.1
Non-metallic mineral products.....	93.9	50.2	9.5	34.2
Products of petroleum and coal.....	203.6	64.9	18.7	120.0
Chemicals and allied products.....	251.7	133.0	35.3	83.4
Miscellaneous industries.....	75.4	33.5	18.1	23.8

¹ The opening inventory of the current year differs from the closing inventory of the previous year because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms that did not operate during the current year.

² Revised.

³ Less than \$50,000.

⁴ The "Fish processing" and "Slaughtering and meat packing" industries could not report the three-way breakdown of their inventory. For this reason the three columns do not add to the total.

⁵ In sawmills in 1957 "Goods in process" includes rough sawn lumber which in 1956 was reported under "Finished products".

.. Not available.

Subsection 3. Employment in Manufacturing Industries

Monthly Record of Employment. — Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest.

After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 production workers were on the payrolls, was surpassed in September, 1937, with 582,305 production workers. After the outbreak of war the improvement in employment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 production workers were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 occurred in June when 1,049,557 production workers were employed. From then on employment declined steadily to the end of 1945 when 819,619 production workers were reported. At the end of 1951 there were 953,952 production workers employed, compared with an employment of 961,820 production workers in December, 1944, and 1,021,630 in December, 1943.

During the first half of 1952 the number of production workers increased each month, but not to the extent of the

employment in the same month of the previous year. From the middle of the year monthly employment figures exceeded those of the previous year. This trend continued to October 1953. The trend for the next two months was downward so that by the end of 1953 there were only 990,611 production workers as compared with 1,018,764 at the end of December 1952.

The minor recession experienced in 1954 is reflected in the monthly employment figures, the number employed each month being lower than the corresponding month of the previous year, although there was the usual upturn during the summer months. Employment at the end of December at 932,786 was at the lowest level since 1949 when 906,851 persons were employed. December 1952 with 1,018,764 production workers had the highest year-end figures during this period.

The downward trend of 1954 continued until the end of April 1955. From then on, the monthly employment figures were consistently higher than the corresponding months of the previous year. This upward trend continued until May 1957 when manufacturing activity began to decline. June and July saw a slight drop from the corresponding figures of the previous year. Some improvement took place in August, but from September on to the end of the year the monthly figures were consistently lower, so that the year-end employment in 1957 totalled only 963,228 as compared with 1,025,860 in 1956, a drop of 6.1 p.c. This compares with an increase of 3.3 p.c. in 1956 over 1955.

TABLE 26. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1929-57

Month	1929	1933	1939	1943	1949	1954	1956	1957
All wage-earners								
January	502,644	340,027	490,337	1,023,261	928,077	979,801	990,858	1,026,883
February	519,423	347,777	496,160	1,030,878	932,356	985,063	1,011,489	1,030,811
March	536,866	355,888	503,475	1,036,648	937,714	989,350	1,028,336	1,039,436
April	555,711	358,759	509,739	1,033,748	944,307	988,374	1,034,891	1,044,412
May	574,905	377,659	530,864	983,058	961,327	1,000,313	1,057,380	1,066,218
June	575,693	392,196	531,245	1,058,645	973,134	1,011,718	1,084,930	1,078,946
July	573,554	393,464	529,575	1,056,975	964,813	1,008,963	1,084,032	1,075,115
August	567,022	402,249	543,605	1,067,890	975,114	1,008,332	1,072,795	1,075,747
September	564,796	410,954	562,355	1,066,595	970,324	1,004,246	1,082,923	1,068,752
October	553,338	405,757	568,564	1,053,486	951,017	986,369	1,076,887	1,045,559
November	527,213	396,384	563,117	1,049,738	934,576	961,505	1,064,177	1,013,940
December	499,893	380,612	544,817	1,021,630	906,851	932,786	1,025,860	963,228
Male								
January	397,459	257,445	381,997	751,269	716,005	775,348	782,189	816,207
February	410,865	260,728	385,955	755,181	719,374	778,646	798,973	817,933
March	426,713	267,259	391,623	757,702	725,953	782,905	814,031	826,261
April	443,560	271,348	398,982	755,888	732,906	784,744	821,457	831,400
May	459,783	285,705	416,963	764,158	747,614	795,664	842,139	850,864
June	460,294	296,937	417,975	776,003	757,575	804,702	864,576	859,937
July	459,051	300,329	417,987	779,687	750,579	802,063	863,619	854,365
August	449,721	302,969	421,895	777,733	747,518	790,269	842,221	842,002
September	441,510	304,908	431,509	767,043	739,768	781,256	845,207	832,857
October	432,576	301,315	437,220	754,484	725,853	769,127	844,500	821,412
November	412,114	294,945	432,920	753,211	715,188	749,863	836,567	799,345
December	391,903	285,690	422,538	738,073	700,141	736,203	814,873	764,704
Female								
January	105,185	82,582	108,340	271,992	212,072	204,453	208,669	210,676
February	108,558	87,049	110,205	275,697	212,982	206,417	212,516	212,878
March	110,153	88,629	111,852	278,946	211,761	206,445	214,305	213,175
April	112,142	87,411	110,757	277,860	211,401	203,630	213,434	213,012
May	115,122	91,954	113,901	218,900	213,523	204,649	215,241	215,354
June	115,399	95,259	113,270	282,642	215,749	207,016	220,354	219,009
July	114,503	93,135	111,588	277,288	214,234	206,900	220,413	220,750
August	117,301	99,280	121,710	290,157	227,596	218,063	230,574	233,745
September	123,286	106,046	130,846	299,552	230,556	222,990	237,716	235,895
October	120,762	104,442	131,344	209,002	225,164	217,242	232,387	224,147
November	115,099	101,439	130,197	296,527	219,388	211,642	227,610	214,595
December	107,990	94,922	122,279	283,557	206,710	196,583	210,987	198,524

TABLE 27. Production Workers Employed in Manufacturing Industries, by Months, Sex and Provinces, 1956 and 1957

Province and month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
Newfoundland:						
January	6,470	934	7,404	6,146	867	7,013
February	6,482	946	7,428	6,169	880	7,049
March	6,417	911	7,328	6,357	835	7,192
April	6,755	935	7,690	6,823	905	7,728
May	7,394	1,024	8,418	7,397	960	8,357
June	8,021	1,299	9,320	8,129	1,190	9,319
July	8,222	1,408	9,630	8,368	1,278	9,646
August	8,255	1,328	9,583	8,281	1,285	9,566
September	7,985	1,250	9,235	8,113	1,287	9,400
October	7,532	1,149	8,681	7,350	1,034	8,384
November	6,953	1,009	7,962	6,606	901	7,507
December	6,173	914	7,087	5,842	702	6,544
Prince Edward Island:						
January	604	167	771	684	215	899
February	601	153	754	650	193	843
March	619	187	806	667	201	868
April	839	162	1,001	814	186	1,000
May	1,275	758	2,033	1,189	629	1,818
June	1,225	756	1,981	1,153	612	1,765
July	1,127	553	1,680	1,019	580	1,599
August	1,226	609	1,835	1,042	462	1,504
September	1,073	554	1,627	965	433	1,398
October	934	411	1,345	895	376	1,271
November	868	386	1,254	804	335	1,139
December	704	269	973	729	269	998
Nova Scotia:						
January	20,402	2,978	23,380	21,271	3,337	24,608
February	21,057	3,060	24,117	21,415	3,292	24,707
March	21,105	3,065	24,170	21,299	3,274	24,573
April	21,341	3,090	24,431	22,455	3,432	25,887
May	23,931	3,721	27,652	23,949	3,950	27,899
June	24,673	3,796	28,469	24,700	4,085	28,785
July	23,141	3,579	26,720	24,321	3,939	28,260
August	24,221	4,042	28,263	23,735	4,155	27,890
September	23,268	3,830	27,098	23,160	3,917	27,077
October	22,967	3,927	26,894	22,299	3,850	26,149
November	22,394	3,744	26,138	21,734	3,740	25,474
December	21,087	3,458	24,545	20,412	3,356	23,768
New Brunswick:						
January	14,970	2,365	17,335	14,361	2,083	16,444
February	21,057	3,060	24,117	14,487	2,245	16,732
March	21,105	3,065	24,170	14,467	2,112	16,579
April	21,341	3,090	24,431	14,827	2,411	17,238
May	23,931	3,721	27,652	16,133	3,073	19,206
June	24,673	3,796	28,469	16,315	3,391	19,706
July	23,141	3,579	26,720	16,085	3,164	19,249
August	24,221	4,042	28,263	16,004	3,679	19,683
September	23,268	3,830	27,098	14,976	3,149	18,125
October	22,967	3,927	26,894	14,281	2,613	16,894
November	22,394	3,744	26,138	13,460	2,107	15,567
December	21,087	3,458	24,545	12,796	1,818	14,614
Quebec:						
January	243,629	91,822	335,551	250,347	91,661	342,008
February	245,267	93,804	339,071	252,351	93,060	345,411
March	248,244	94,041	342,285	254,734	93,285	348,019
April	252,122	93,071	345,193	257,788	92,894	350,682
May	257,145	92,054	349,199	265,456	92,827	358,283
June	267,592	93,412	361,004	263,821	93,138	356,959
July	267,152	93,062	360,214	262,363	92,982	355,345
August	269,027	96,780	365,807	261,281	96,674	357,955
September	265,988	97,824	363,812	262,696	97,501	360,197
October	261,802	97,184	358,986	258,291	95,245	353,536
November	258,358	95,966	354,324	251,023	92,137	343,160
December	251,207	90,991	342,198	241,293	87,267	328,560
Ontario:						
January	366,788	90,935	457,723	390,763	92,685	483,448
February	378,984	92,421	471,405	388,796	92,843	481,639
March	389,393	93,460	482,853	393,115	92,981	486,096
April	394,443	93,237	487,680	396,274	92,344	488,618
May	400,227	93,225	493,452	399,354	92,315	491,669
June	405,889	95,078	500,967	404,797	93,875	498,672
July	403,460	98,209	501,669	398,309	93,341	491,650
August	379,689	98,045	477,734	389,002	101,252	490,254
September	390,174	106,042	496,216	383,830	104,636	488,466
October	397,632	103,668	501,300	385,561	98,370	483,931
November	397,233	102,847	500,080	378,669	94,935	473,604
December	389,944	93,856	483,800	364,542	86,411	450,953

TABLE 27. Production Workers Employed in Manufacturing Industries, by Months, Sex and Provinces,
1956 and 1957 — Concluded

Province and month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
Manitoba:						
January	25,239	7,368	32,607	25,982	7,483	33,465
February	25,425	7,575	33,000	26,227	7,795	34,022
March	25,622	7,643	33,265	26,428	7,803	34,231
April	25,603	7,552	33,155	26,535	7,698	34,233
May	26,260	7,511	33,771	27,056	7,705	34,761
June	26,912	7,748	34,660	27,198	8,019	35,217
July	27,092	7,657	34,749	27,902	8,084	35,986
August	26,920	8,094	35,014	27,552	8,152	35,704
September	26,916	8,051	34,967	27,156	8,246	35,402
October	26,727	7,983	34,710	26,682	8,157	34,839
November	26,088	7,485	33,573	25,868	7,709	33,577
December	25,464	7,024	32,488	25,103	7,111	32,214
Saskatchewan:						
January	6,996	887	7,883	7,569	903	8,472
February	7,046	871	7,917	7,600	922	8,522
March	7,087	905	7,992	7,558	925	8,483
April	6,972	927	7,899	7,405	973	8,378
May	7,338	1,019	8,357	7,761	1,041	8,802
June	7,833	1,056	8,889	8,093	1,066	9,159
July	7,945	1,065	9,010	8,289	1,099	9,388
August	7,962	1,085	9,047	8,032	1,088	9,120
September	7,678	1,051	8,729	7,696	1,056	8,752
October	7,510	1,027	8,537	7,551	1,021	8,572
November	7,394	1,041	8,435	7,459	1,028	8,487
December	7,267	962	8,229	7,205	917	8,122
Alberta:						
January	24,254	3,233	27,487	26,725	3,375	30,100
February	24,669	3,304	27,973	26,826	3,462	30,288
March	24,967	3,409	28,376	27,012	3,522	30,534
April	22,561	3,440	26,001	24,475	3,609	28,084
May	22,831	3,656	26,487	25,051	3,853	28,904
June	23,829	3,724	27,553	25,966	3,873	29,839
July	24,396	3,952	28,348	26,557	4,182	30,739
August	24,385	4,061	28,446	26,073	4,086	30,159
September	24,119	4,105	28,224	25,372	4,078	29,450
October	23,921	3,748	27,669	24,575	3,760	28,335
November	24,835	3,641	28,476	24,414	3,533	27,947
December	25,229	3,541	28,770	24,376	3,365	27,741
British Columbia:						
January	72,743	7,864	80,607	72,281	8,052	80,333
February	74,088	7,912	82,000	73,333	8,171	81,504
March	75,442	8,204	83,646	74,536	8,221	82,757
April	75,374	8,384	83,758	73,906	8,542	82,448
May	78,505	8,661	87,166	77,432	8,382	85,814
June	80,687	9,565	90,252	79,624	9,741	89,365
July	83,241	11,496	94,737	81,017	12,080	93,097
August	83,137	12,226	95,363	80,882	12,893	93,775
September	81,412	11,475	92,887	78,801	11,574	90,375
October	79,608	10,236	89,844	73,835	9,703	83,538
November	77,185	9,064	86,249	69,224	8,152	77,376
December	73,579	7,963	81,542	62,392	7,292	69,684
Yukon and Northwest Territories:						
January	94	16	110	78	15	93
February	99	17	116	79	15	94
March	88	17	105	88	16	104
April	108	19	127	98	18	116
May	128	19	147	96	19	115
June	162	20	182	141	19	160
July	182	22	204	135	21	156
August	132	20	152	118	19	137
September	92	19	111	82	18	100
October	87	19	106	92	18	110
November	74	18	92	84	18	102
December	69	16	85	74	16	90

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex, and Industrial Groups, 1956 and 1957

Group and month	1956			1957		
	Male	Female	Total	Male	Female	Total
number						
Food and beverages:						
January	97,821	29,342	127,163	104,234	30,209	134,443
February	97,439	29,550	126,989	104,183	30,580	134,763
March	98,309	30,439	128,748	104,846	30,137	134,983
April	101,678	31,444	133,122	108,057	31,636	139,693
May	107,844	35,104	142,948	114,528	35,351	149,879
June	114,278	39,442	153,720	122,563	39,728	162,291
July	118,758	42,414	161,172	127,107	43,439	170,546
August	119,867	46,979	166,846	127,554	51,696	179,250
September	117,868	50,670	168,538	126,199	51,881	177,580
October	111,930	43,649	155,579	118,197	41,176	159,373
November	107,789	38,904	146,693	113,479	36,331	149,810
December	102,008	31,534	133,542	107,125	29,759	136,884
Tobacco and tobacco products:						
January 1	4,124	5,874	9,998	4,273	6,421	10,694
February	3,827	5,879	9,706	4,370	6,462	10,832
March	3,356	5,446	8,802	3,670	6,060	9,730
April	2,715	4,394	7,109	3,030	4,954	7,984
May	2,700	4,568	7,268	2,898	5,018	7,916
June	2,729	4,651	7,380	2,921	5,074	7,995
July	2,698	4,645	7,343	2,909	5,036	7,945
August	2,751	4,731	7,482	2,933	5,037	7,970
September	2,874	4,746	7,620	3,038	5,030	8,068
October	2,771	4,727	7,498	2,907	4,955	7,862
November	3,978	6,536	10,514	3,033	4,947	7,980
December	4,016	5,966	9,982	3,240	4,815	8,055
Rubber products:						
January	13,500	3,509	17,009	13,766	3,743	17,509
February	13,359	3,632	16,991	13,704	3,733	17,437
March	13,377	3,559	16,936	13,560	3,575	17,135
April	13,462	3,605	17,067	13,462	3,578	17,040
May	13,635	3,673	17,308	13,425	3,573	16,998
June	13,818	3,839	17,657	13,414	3,550	16,964
July	13,730	3,750	17,480	13,157	3,623	16,780
August	14,076	4,015	18,091	13,139	3,643	16,782
September	14,118	4,071	18,189	13,072	3,659	16,731
October	14,294	4,093	18,387	12,950	3,581	16,531
November	14,258	4,066	18,324	12,657	3,285	15,942
December	13,925	3,791	17,716	12,268	2,969	15,237
Leather products:						
January	15,350	11,765	27,115	15,021	11,843	26,864
February	15,550	12,172	27,722	15,237	12,100	27,337
March	15,604	12,284	27,888	15,350	12,190	27,540
April	15,383	12,019	27,402	15,235	12,063	27,298
May	15,248	11,805	27,053	15,103	12,003	27,106
June	15,170	11,767	26,937	15,185	12,078	27,263
July	15,195	12,005	27,200	15,206	12,061	27,267
August	15,407	12,397	27,804	15,367	12,477	27,844
September	15,228	12,311	27,539	15,337	12,415	27,752
October	15,083	12,193	27,276	15,000	11,931	26,931
November	15,181	12,135	27,316	15,068	11,956	27,024
December	14,890	11,679	26,569	14,623	11,541	26,164
Textile products (except clothing):						
January	36,895	21,385	58,280	36,450	20,788	57,238
February	37,227	21,494	58,721	36,249	20,563	56,812
March	37,126	21,340	58,466	36,023	20,382	56,405
April	36,106	21,063	57,169	35,862	20,252	56,114
May	32,801	19,986	52,787	35,721	19,864	55,585
June	36,983	21,399	58,382	35,675	19,867	55,542
July	36,119	20,821	56,940	34,870	19,438	54,308
August	36,241	21,052	57,293	35,137	19,628	54,765
September	36,050	21,419	57,469	34,937	19,863	54,800
October	36,362	21,479	57,841	34,850	19,840	54,690
November	36,860	21,992	58,852	34,555	19,209	53,764
December	36,403	21,112	57,515	33,435	17,826	51,261
Clothing:						
January	21,536	55,972	77,508	21,704	56,505	78,209
February	21,965	57,602	79,567	22,205	58,178	80,383
March	21,888	57,812	79,700	22,291	58,902	81,193
April	21,429	56,960	78,389	21,851	58,260	80,111
May	20,997	55,941	76,938	21,190	57,097	78,287
June	20,907	55,205	76,112	21,405	56,538	77,943
July	21,403	54,276	75,679	21,697	55,810	77,507
August	21,977	56,860	78,837	22,407	58,552	80,959
September	22,067	57,966	80,033	22,230	59,120	81,350
October	22,058	58,278	80,336	21,976	58,130	80,106
November	21,476	56,894	78,370	20,911	56,029	76,940
December	21,118	53,890	75,008	20,806	53,398	74,204

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups
1956 and 1957 - Continued

Group and month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
Knitting mills:						
January	6,337	13,378	19,715	6,043	13,569	19,612
February	6,380	13,611	19,991	6,159	13,705	19,864
March	6,382	13,730	20,112	6,090	13,747	19,837
April	6,242	13,493	19,735	6,035	13,551	19,586
May	6,223	13,404	19,627	5,856	13,368	19,222
June	6,133	13,356	19,489	5,677	13,107	18,784
July	5,920	12,941	18,861	5,577	12,751	18,328
August	6,109	13,353	19,462	5,648	13,233	18,881
September	5,707	13,241	18,948	5,760	13,455	19,215
October	5,821	13,544	19,365	5,797	13,523	19,320
November	5,757	13,582	19,339	5,661	13,405	19,066
December	5,907	13,434	19,341	5,334	12,673	18,007
Wood products						
January	97,163	5,419	102,582	91,300	5,426	96,726
February	99,751	5,563	105,314	93,695	5,541	99,236
March	102,100	5,672	107,772	96,377	5,550	101,927
April	101,160	5,629	106,789	95,924	5,627	101,551
May	110,941	5,804	116,745	105,308	5,835	111,143
June	116,245	5,923	122,168	109,604	5,843	115,447
July	116,033	5,877	121,910	107,647	5,784	113,431
August	113,339	6,016	119,355	104,713	5,730	110,443
September	108,843	5,955	114,798	99,499	5,719	105,218
October	104,299	6,042	110,341	93,787	5,529	99,316
November	99,155	6,022	105,177	87,027	5,241	92,268
December	92,821	5,694	98,515	81,983	5,003	86,986
Paper products:						
January	64,662	8,056	72,718	66,209	8,089	74,298
February	64,906	8,103	73,009	66,346	8,104	74,450
March	65,147	8,083	73,230	66,561	8,205	74,766
April	66,756	8,259	75,015	66,778	8,194	74,972
May	68,540	8,468	77,008	69,208	8,439	77,647
June	71,006	8,531	79,537	71,067	8,572	79,639
July	71,770	8,536	80,306	70,973	8,507	79,480
August	71,828	8,753	80,581	71,376	8,754	80,130
September	70,540	8,926	79,466	69,979	8,773	78,752
October	69,356	8,857	78,213	68,472	8,738	77,210
November	67,440	8,726	76,166	65,944	8,523	74,467
December	66,207	8,496	74,703	62,515	8,213	70,728
Printing publishing and allied trades:						
January	35,303	8,391	41,694	34,940	8,708	43,648
February	33,433	8,361	41,794	35,014	8,620	43,634
March	33,665	8,386	42,051	35,236	8,695	43,931
April	33,767	8,469	42,236	35,302	8,766	44,068
May	33,898	8,481	42,379	35,317	8,665	43,982
June	34,124	8,601	42,725	35,535	8,743	44,278
July	34,037	8,664	42,701	35,461	8,917	44,378
August	33,846	8,673	42,519	35,205	8,856	44,061
September	34,382	9,111	43,493	35,694	9,164	44,858
October	34,543	9,228	43,771	35,813	9,160	44,973
November	34,664	9,358	44,022	35,766	9,095	44,861
December	34,624	8,752	43,376	35,395	8,751	44,146
Iron and steel products:						
January	139,322	6,688	146,010	147,657	6,874	154,531
February	142,362	6,745	149,107	149,525	6,813	156,338
March	144,658	7,003	151,661	150,399	6,887	157,286
April	146,392	7,112	153,504	150,688	7,026	157,714
May	148,569	7,214	155,783	151,078	7,066	158,144
June	151,093	7,282	158,375	151,251	7,032	158,283
July	150,275	7,194	157,469	148,194	6,851	155,045
August	146,950	7,050	154,000	143,991	6,763	150,754
September	146,612	7,110	153,722	143,730	6,878	150,608
October	149,365	7,245	156,610	141,907	6,826	148,733
November	150,088	7,202	157,290	138,347	6,741	145,088
December	146,572	7,043	153,615	131,875	6,298	138,173
Transportation equipment:						
January	96,043	2,939	98,982	113,143	3,896	117,039
February	104,676	3,831	108,507	109,612	3,750	113,362
March	111,912	4,301	116,213	113,775	3,796	117,571
April	113,143	4,348	117,491	114,144	3,844	117,988
May	112,807	4,161	116,968	113,122	3,738	116,860
June	111,305	3,780	115,085	111,829	3,632	115,461
July	106,725	3,278	110,003	108,068	3,231	111,299
August	87,851	2,898	90,749	100,180	2,866	103,046
September	99,444	3,617	103,061	95,368	3,227	98,595
October	107,792	3,850	111,642	103,317	3,510	106,827
November	110,933	3,861	114,794	103,285	3,570	106,855
December	111,406	3,857	115,263	98,294	3,350	101,644

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1956 and 1957 — Concluded

Group and month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
Non ferrous metal products:						
January	38,636	3,005	41,641	40,747	2,660	43,407
February	38,920	3,052	41,972	40,467	2,696	43,163
March	39,218	3,019	42,237	39,686	2,676	42,362
April	39,810	2,939	42,749	40,266	2,668	42,934
May	41,341	2,962	44,303	41,065	2,700	43,765
June	42,248	2,919	45,167	36,033	2,617	38,650
July	42,308	2,802	45,110	36,384	2,722	39,106
August	42,726	3,048	45,774	36,621	2,834	39,455
September	42,530	3,123	45,653	41,124	2,893	44,017
October	42,130	3,193	45,323	40,989	2,942	43,931
November	41,804	3,079	44,883	40,505	2,903	43,408
December	41,294	2,927	44,221	39,888	2,696	42,584
Electrical apparatus and supplies:						
January	37,006	16,677	53,683	39,937	15,748	55,685
February	38,340	16,354	54,694	39,959	15,490	55,449
March	39,211	16,498	55,709	39,772	15,413	55,185
April	39,037	16,489	55,526	39,489	15,193	54,682
May	39,214	16,335	55,549	38,985	15,353	54,338
June	39,847	16,612	56,459	38,837	15,355	54,192
July	39,827	16,468	56,295	37,930	15,507	53,437
August	40,975	17,438	58,413	37,876	15,845	53,721
September	41,293	17,578	58,871	38,187	16,167	54,354
October	41,777	17,715	59,492	37,791	15,803	53,594
November	41,535	17,373	58,908	37,519	15,475	52,994
December	40,885	16,258	57,143	36,490	14,624	51,114
Non metallic mineral products:						
January	27,739	1,934	29,673	27,431	1,818	29,249
February	27,732	1,975	29,707	27,211	1,790	29,001
March	28,502	1,890	30,392	27,813	1,718	29,531
April	29,886	1,997	31,883	29,509	1,973	31,482
May	31,928	2,097	34,025	31,592	1,957	33,549
June	33,086	2,096	35,182	32,554	1,971	34,525
July	33,342	2,015	35,357	32,583	1,860	34,443
August	32,780	2,008	34,788	32,913	2,033	34,946
September	32,352	1,968	34,320	31,917	2,005	33,922
October	32,112	1,887	33,999	31,292	2,040	33,322
November	30,799	1,880	32,679	30,158	1,969	32,127
December	29,039	1,895	30,934	27,401	1,971	29,372
Products of petroleum and coal:						
January	10,856	67	10,923	10,613	68	10,681
February	10,842	68	10,910	10,676	71	10,747
March	10,916	67	10,983	10,846	69	10,915
April	11,142	68	11,210	10,851	69	10,920
May	11,420	69	11,489	11,252	70	11,322
June	11,663	71	11,734	11,463	71	11,534
July	11,739	71	11,810	11,501	75	11,576
August	11,628	69	11,697	11,396	72	11,468
September	11,335	69	11,404	10,972	73	11,045
October	11,180	68	11,248	10,750	70	10,820
November	11,092	67	11,159	10,676	67	10,743
December	11,006	65	11,071	10,520	64	10,584
Chemicals and allied products:						
January	26,923	5,725	32,648	27,114	5,457	32,571
February	27,053	5,696	32,749	27,420	5,553	32,973
March	27,305	5,788	33,093	27,604	5,658	33,262
April	27,756	5,874	33,630	28,343	5,658	34,001
May	28,288	5,904	34,192	28,519	5,684	34,203
June	28,034	5,816	33,850	28,016	5,705	33,721
July	27,874	5,698	33,572	28,278	5,595	33,871
August	27,709	5,772	33,481	28,467	5,766	34,233
September	27,699	5,783	33,482	28,794	5,841	34,635
October	27,210	5,826	33,036	28,691	5,819	34,510
November	27,366	5,709	33,075	28,204	5,833	34,037
December	26,907	5,468	32,375	27,578	5,640	33,218
Miscellaneous industries:						
January	14,973	8,543	23,516	15,625	8,854	24,479
February	15,211	8,828	24,039	15,901	9,129	25,030
March	15,355	8,988	24,343	16,362	9,515	25,877
April	15,593	9,272	24,865	16,574	9,700	26,274
May	15,745	9,265	25,010	16,897	9,575	26,472
June	15,907	9,064	24,971	16,908	9,527	26,435
July	15,866	8,958	24,824	16,825	9,543	26,368
August	16,161	9,462	25,623	17,079	9,960	27,039
September	16,265	10,052	26,317	17,020	10,232	27,252
October	16,417	10,513	26,930	16,926	10,474	27,400
November	16,392	10,224	26,616	16,550	10,016	26,566
December	15,845	9,128	24,971	15,934	8,933	24,867

Subsection 4. Hours Worked in Manufacturing Industries

Hours Worked by Production Workers. — From 1932, the first year for which figures on hours worked per week by production workers are available, to 1945, each firm was required to report the number of hours worked by all its production workers during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Table 29 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all production workers, the hours worked per week declined from 48.9 in 1932 to 47.2 in 1939, and reached 50.6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2.8 p.c. of male and 5.3 p.c. of female production workers working under 30 hours per week, in 1944 these percentages rose to 5.3 and 12.5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male production workers totalled 47.6 and for females 42.7.

The method of collecting statistics on hours worked was changed in 1946. Instead of collecting this information for one week in the month of highest employment which varied

from plant to plant, the last week of November was chosen for the base period. For 1948 and subsequent years the period was changed to the last week in October. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Section. Establishments employing 15 hands or over only are covered. The statistics for 1946 to 1957 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

On the above basis, the hours worked per week declined for all workers engaged in manufacturing. The hours of male production workers dropped from 44.9 in 1946 to 41.2 in 1957, female production workers from 40.0 to 37.7, male office employees from 42.0 to 39.0 and female office employees from 39.5 to 37.6.

Persons employed in 1950, 1953 and 1956 were classified on the basis of earnings per week instead of hours worked. For this reason the distribution of employees by hours worked per week is not available for these years. It is the intention in future to classify employees one year on the basis of hours worked, the second year on the basis of weekly earnings, while in the third year no break-down of either the hours worked or weekly earnings will be collected. Instead a more detailed break-down of salaried employees into (a) managerial and professional and (b) office workers will be requested.

Administrative and office employees as a rule work shorter hours than production workers as the following figures for 1957 indicate.

	Production workers	Supervisory and office employees
Both sexes	40.5	38.6
Male	41.2	39.0
Female	37.7	37.6

TABLE 29. Production Workers in Manufacturing, Working Specified Numbers of Hours per Week in the Month of Highest Employment, 1938-45¹

Note: Hours worked per week in 1934-37 are given at p. 393 of the 1942 edition of the Canada Year Book; in 1940 and 1941 at p. 392 of the 1943-44 edition.

Hours worked per week	1938	1939	1942	1943	1944	1945
	per cent					
All production workers:						
30 or less	4.1	3.4	4.3	6.2	7.4	7.4
31-43	16.9	14.6	8.6	10.7	12.7	16.2
44	14.3	13.8	7.7	7.4	9.6	13.1
45-47	11.3	10.9	7.0	8.3	9.1	10.8
48	20.7	22.2	21.4	20.5	20.6	21.4
49-50	10.6	11.2	9.2	9.6	9.8	9.8
51-54	6.7	7.9	12.9	12.5	10.8	8.4
55	3.5	4.1	5.6	5.2	4.4	3.2
56-64	10.4	10.4	16.9	14.6	11.8	7.6
65 or over	1.5	1.5	6.4	5.0	3.9	3.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	48.7	47.2	50.2	48.8	47.5	46.2
Male production workers:						
30 or less	3.4	2.8	3.6	4.6	5.3	5.4
31-43	16.6	14.2	7.0	7.9	9.8	13.1
44	13.1	12.7	6.9	6.2	9.0	11.7
45-47	10.5	10.0	5.6	7.2	7.9	9.8
48	21.3	22.8	21.7	21.5	21.5	22.9
49-50	10.0	10.6	8.4	8.8	9.5	10.0
51-54	7.4	8.2	12.6	13.2	11.9	9.5
55	3.6	4.4	5.8	5.7	5.0	3.8
56-64	12.3	12.5	20.4	13.3	15.1	9.7
65 or over	1.8	1.8	8.0	6.6	5.0	4.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	47.3	48.1	51.3	50.4	49.1	47.6
Female production workers:						
30 or less	6.7	5.3	6.2	10.0	12.5	12.3
31-43	17.9	15.8	13.0	17.6	20.1	23.8
44	16.3	17.8	9.9	10.3	10.8	13.2
45-47	14.2	13.9	11.1	11.2	12.2	13.2
48	18.8	20.4	20.8	18.2	18.4	17.7
49-50	12.6	13.2	11.5	11.6	10.5	9.1
51-54	4.5	6.6	13.5	10.7	8.2	5.7
55	3.1	3.5	4.9	4.0	2.9	1.9
56-64	3.5	3.2	7.2	5.3	3.4	2.4
65 or over .....	.4	.3	1.9	1.1	1.0	.7
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.6	45.2	46.9	44.8	43.6	42.7

¹ For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

TABLE 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October, 1946-55¹

Hours worked per week	1946 ²	1947 ²	1948	1949	1952	1955
	per cent					
All production workers:						
30 or less	6.7	6.7	6.1	6.3	6.1	5.9
31-34	10.8	2.9	3.0	3.1	3.5	4.1
35-39		7.8	8.4	8.5	8.1	8.2
40	9.9	12.2	13.2	15.3	25.9	32.2
41-43	11.5	10.6	10.9	11.1	11.9	11.3
44	10.3	8.5	9.3	8.6	6.6	5.9
45-47	18.2	18.7	18.9	18.8	13.9	11.5
48	13.7	12.9	11.8	10.7	7.6	6.7
49-50	6.6	6.5	6.1	5.7	5.0	4.2
51-53	5.4	4.3	4.0	3.9	3.6	3.4
54		1.3	1.3	1.2	1.3	1.1
55-64	6.0	6.5	6.0	5.9	5.5	4.7
65 or over	0.9	1.1	1.0	0.9	1.0	0.8
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	43.7	43.7	43.6	43.3	42.6	42.0
Male production workers:						
30 or less	4.7	4.6	4.4	4.3	4.6	4.4
31-34	8.0	2.1	2.2	2.3	2.9	3.5
35-39		6.1	6.4	6.7	6.6	6.6
40	9.6	11.9	12.9	15.5	27.3	34.2
41-43	10.6	9.2	9.9	10.4	11.3	10.8
44	10.7	8.7	9.7	8.8	6.4	5.9
45-47	18.8	19.7	19.4	19.2	13.9	11.2
48	15.8	15.0	13.9	12.5	8.5	7.5
49-50	7.1	7.0	6.6	6.3	5.4	4.5
51-53	6.3	4.9	4.6	4.4	3.9	3.6
54		1.6	1.5	1.3	1.5	1.3
55-64	7.3	7.8	7.3	7.1	6.5	5.5
65 or over	1.1	1.4	1.2	1.2	1.2	1.0
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.9	44.9	44.7	44.4	43.4	42.7
Female production workers:						
30 or less	13.1	13.7	12.2	12.8	11.9	11.6
31-34	19.7	5.5	5.6	5.8	5.9	6.4
35-39		13.6	15.0	14.6	13.5	14.1
40	10.8	13.4	14.1	14.8	20.9	25.1
41-43	14.6	15.0	14.5	13.3	13.9	13.1
44	8.9	7.8	7.9	7.9	7.4	5.6
45-47	16.1	15.9	17.4	17.5	14.2	12.4
48	7.1	5.7	5.1	4.5	3.9	3.7
49-50	5.0	4.9	4.1	3.9	3.3	3.3
51-53	2.5	2.0	2.0	2.3	2.4	2.3
54		0.5	0.5	0.5	0.6	0.6
55-64	2.1	1.9	1.5	2.0	1.9	1.7
65 or over	0.1	0.1	0.1	0.1	0.2	0.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	40.0	39.7	39.8	39.8	39.6	39.4

¹ Classified statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics which are collected every third year cover establishments employing 15 hands or over only.

² Last week in November.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-57¹
 (Hours worked by wage-earners from 1938 to 1945 are given on page 53 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Canada:						
1946.....	43.7	44.9	40.0	41.1	42.0	39.5
1948.....	43.6	44.7	39.8	40.3	41.1	38.8
1949.....	43.3	44.4	39.8	40.1	40.8	38.6
1951.....	42.0	43.0	37.9	39.5	40.0	38.2
1952.....	42.6	43.4	39.6	39.4	39.9	38.0
1953.....	41.7	42.6	38.5	39.0	39.5	37.9
1954.....	41.5	42.3	38.5	39.0	39.4	37.9
1955.....	42.0	42.7	39.4	39.1	39.6	37.9
1956.....	41.8	42.5	39.2	38.9	39.4	37.9
1957.....	40.5	41.2	37.7	38.6	39.0	37.6
Newfoundland:						
1950.....	46.9	47.7	41.9	42.6	43.5	39.9
1951.....	45.5	46.1	40.5	43.0	43.3	42.0
1952.....	44.1	44.6	40.2	42.7	43.0	41.3
1953.....	43.2	43.8	37.4	41.8	42.0	41.0
1954.....	42.8	43.3	38.3	40.7	40.9	39.9
1955.....	41.5	41.9	38.0	41.4	41.6	40.8
1956.....	40.9	42.0	33.4	40.8	40.9	40.3
1957.....	38.5	39.2	32.4	40.8	41.2	39.1
Prince Edward Island:						
1946.....	46.3	46.9	45.0	—	—	—
1948.....	45.8	46.7	42.6	—	—	—
1949.....	47.7	48.1	46.8	—	—	—
1951.....	45.9	46.4	44.4	43.4	44.3	41.3
1952.....	45.2	46.1	40.9	41.3	41.7	40.6
1953.....	45.8	46.2	44.6	40.5	41.0	39.7
1954.....	45.2	45.8	43.0	40.5	40.8	39.7
1955.....	44.3	45.1	42.0	41.0	41.3	40.4
1956.....	44.7	45.8	41.8	40.8	41.2	40.1
1957.....	38.9	40.6	34.3	41.8	42.1	41.1
Nova Scotia:						
1946.....	45.7	46.0	43.6	43.1	44.1	40.7
1948.....	45.8	46.0	44.5	41.7	42.4	39.9
1949.....	44.5	44.8	42.6	40.5	40.9	39.6
1951.....	43.3	43.4	42.9	41.7	42.3	40.2
1952.....	42.4	42.4	42.5	42.3	43.2	39.8
1953.....	41.6	41.7	41.2	40.5	40.9	39.2
1954.....	41.1	41.4	39.3	40.8	41.6	38.6
1955.....	41.4	41.6	39.9	41.1	42.0	38.4
1956.....	41.3	41.3	41.0	40.5	41.3	38.3
1957.....	40.7	41.0	38.7	39.8	40.5	37.9
New Brunswick:						
1946.....	46.0	46.7	42.9	43.2	44.3	40.9
1948.....	46.1	47.0	41.9	42.7	43.8	40.4
1949.....	45.4	46.9	41.3	42.8	43.8	40.6
1951.....	44.3	45.5	39.1	41.8	42.6	40.1
1952.....	44.1	44.8	40.8	41.5	42.2	39.5
1953.....	42.7	43.8	37.0	40.9	41.1	40.6
1954.....	42.6	43.3	37.6	40.3	40.9	38.9
1955.....	43.2	43.9	39.0	40.5	41.3	38.2
1956.....	43.7	44.3	40.4	40.7	41.5	38.4
1957.....	40.7	41.5	36.1	39.8	40.4	38.3
Quebec:						
1946.....	45.4	47.1	41.2	41.5	42.5	39.6
1948.....	45.2	46.8	40.9	40.6	41.4	39.0
1949.....	44.5	46.3	40.2	40.4	41.1	38.8
1951.....	43.0	44.8	37.8	39.7	40.3	38.1
1952.....	44.0	45.5	40.1	39.5	40.0	38.2

See footnote at end of table.

**TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada
by Provinces, 1946-57¹ - Concluded**

Province and Year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
average hours						
Quebec - Concluded:						
1953	42.8	44.4	38.5	39.2	39.7	37.9
1954	42.3	43.7	38.7	39.0	39.4	37.8
1955	43.3	44.7	39.8	39.2	39.7	37.9
1956	43.2	44.5	39.7	39.0	39.4	37.8
1957	41.4	42.7	37.9	38.4	38.8	37.5
Ontario:						
1946	42.8	44.0	38.8	40.5	41.3	39.2
1948	42.9	43.9	38.9	39.8	40.6	38.4
1949	42.8	43.8	39.4	39.7	40.4	38.3
1951	41.6	42.4	37.9	39.0	39.5	37.9
1952	42.1	42.8	39.3	39.0	39.6	37.7
1953	41.4	42.0	38.7	38.7	39.2	37.6
1954	41.2	41.8	38.6	38.8	39.2	37.7
1955	41.6	42.1	39.3	38.9	39.3	37.8
1956	41.3	41.9	39.1	38.7	39.1	37.7
1957	40.3	40.9	37.9	38.5	38.9	37.6
Manitoba:						
1946	42.8	43.8	39.6	42.7	43.3	41.1
1948	43.1	44.1	39.6	41.8	42.5	40.4
1949	43.4	44.5	39.7	41.3	41.9	39.9
1951	41.6	42.4	38.4	40.3	40.5	39.6
1952	41.6	42.2	39.7	39.9	40.4	38.5
1953	40.9	41.7	37.9	39.9	40.2	38.8
1954	41.2	41.9	38.7	39.3	39.7	38.0
1955	41.6	42.3	39.1	39.6	40.1	38.2
1956	41.2	41.7	39.3	39.4	39.9	38.1
1957	40.0	40.8	37.2	39.2	39.6	38.2
Saskatchewan:						
1946	44.0	44.3	41.2	42.9	43.7	41.3
1948	43.0	43.6	39.0	41.9	42.4	41.1
1949	42.4	42.9	39.2	42.2	42.7	41.1
1951	41.4	41.8	38.6	41.3	41.6	40.9
1952	41.4	41.8	38.9	41.5	42.0	40.3
1953	41.2	41.6	37.8	40.7	41.3	39.4
1954	41.5	42.3	35.8	40.5	40.6	40.1
1955	41.4	42.1	36.5	40.4	40.7	39.6
1956	40.7	41.2	37.3	40.2	40.5	39.5
1957	40.0	40.5	36.2	39.4	39.7	38.7
Alberta:						
1946	43.2	43.5	41.6	42.9	43.6	41.5
1948	43.3	43.8	40.7	42.5	43.2	40.7
1949	43.5	43.9	40.7	42.2	42.8	40.6
1951	41.3	41.6	38.6	41.3	41.6	40.3
1952	41.4	42.0	38.2	40.5	40.9	39.4
1953	41.2	41.7	38.1	40.0	40.4	38.8
1954	41.4	42.1	38.6	40.2	40.5	39.2
1955	41.3	41.8	37.9	39.9	40.4	38.6
1956	41.1	41.4	38.6	40.0	40.3	38.9
1957	39.7	40.3	36.0	39.4	39.8	38.4
British Columbia:						
1946	41.2	41.5	39.2	41.9	42.4	40.6
1948	40.3	40.6	38.0	40.6	41.0	39.5
1949	40.1	40.5	37.2	40.4	40.7	39.6
1951	39.1	39.5	35.9	40.0	40.2	39.1
1952	39.3	39.7	36.2	39.6	40.0	38.3
1953	39.5	39.8	36.4	39.4	39.7	38.4
1954	39.6	40.0	35.6	39.3	39.7	38.2
1955	39.6	39.9	36.4	39.4	39.8	38.2
1956	39.5	39.8	36.5	39.2	39.4	38.3
1957	38.1	38.5	34.4	38.6	38.8	38.0

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1957 to the last week in October.

**TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada,
by Industrial Group, 1946-57¹**

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Foods and beverages:						
1946.....	43.9	45.7	38.8	42.2	43.2	40.3
1948.....	44.0	45.9	38.8	41.4	42.4	39.4
1949.....	44.3	46.2	39.4	41.2	42.1	39.4
1951.....	43.4	45.0	39.0	40.5	41.1	39.1
1952.....	43.1	44.7	39.1	40.5	41.1	38.7
1953.....	42.6	44.1	38.3	40.0	40.6	38.4
1954.....	41.8	43.3	37.9	39.7	40.2	38.4
1955.....	42.0	43.5	38.2	39.9	40.6	38.2
1956.....	41.8	43.2	38.6	39.8	40.4	38.2
1957.....	40.8	42.2	37.0	39.0	39.4	37.8
Tobacco and tobacco products:						
1946.....	42.9	45.6	41.4	41.3	42.1	40.4
1948.....	42.5	45.0	41.2	40.2	40.8	39.3
1949.....	43.6	45.6	42.6	40.0	40.5	39.2
1951.....	41.5	43.8	40.0	37.3	37.5	36.8
1952.....	40.8	42.6	39.7	37.5	37.7	37.2
1953.....	40.5	41.8	39.7	37.3	37.4	37.2
1954.....	40.5	42.1	39.5	37.6	37.8	37.2
1955.....	40.3	41.4	39.7	37.8	38.0	37.3
1956.....	39.4	41.5	38.2	37.8	37.9	37.6
1957.....	38.6	40.4	37.6	37.6	37.7	37.2
Rubber products:						
1946.....	44.8	45.6	42.3	40.4	40.9	39.2
1948.....	43.4	44.3	40.8	39.2	39.7	38.2
1949.....	42.3	42.8	40.9	39.2	39.7	38.2
1951.....	41.4	42.0	39.5	38.3	38.4	38.0
1952.....	42.3	42.8	40.6	38.7	39.1	37.9
1953.....	41.4	42.3	38.6	38.9	39.1	38.2
1954.....	41.6	42.0	40.0	39.1	39.4	38.2
1955.....	43.0	43.6	40.8	38.9	39.2	38.3
1956.....	42.4	43.1	39.9	38.8	39.1	38.1
1957.....	40.8	41.4	38.9	39.3	39.6	38.5
Leather products:						
1946.....	42.5	43.9	40.6	43.1	44.5	40.3
1948.....	41.0	42.0	39.5	41.4	42.5	39.2
1949.....	40.1	41.3	38.4	41.5	42.6	39.2
1951.....	37.6	38.7	36.0	40.2	41.2	38.1
1952.....	41.0	42.2	39.4	40.4	41.2	38.4
1953.....	38.5	39.9	36.7	39.8	40.6	37.9
1954.....	37.8	38.7	36.5	39.6	40.5	37.9
1955.....	40.6	41.7	39.1	39.8	40.8	37.9
1956.....	40.4	41.7	38.9	39.6	40.4	37.8
1957.....	38.2	39.6	36.6	39.1	40.1	37.1
Textile products (except clothing):						
1946.....	43.8	46.6	41.3	41.5	42.6	39.4
1948.....	44.4	46.4	41.5	41.0	42.1	39.2
1949.....	44.6	46.4	41.8	41.0	41.9	39.2
1951.....	40.4	42.0	37.7	39.8	40.5	38.4
1952.....	43.5	44.7	41.2	39.4	40.0	38.3
1953.....	41.1	42.3	38.9	39.7	40.5	38.1
1954.....	43.0	44.3	40.6	39.3	40.0	38.0
1955.....	43.5	45.0	40.9	40.1	40.9	38.1
1956.....	43.2	44.7	40.5	39.1	39.6	37.7
1957.....	41.7	43.0	39.2	38.6	39.2	37.5
Clothing (including knitting mills):						
1946.....	41.0	44.8	38.7	41.5	42.7	39.8
1948.....	40.1	42.6	39.0	40.9	42.2	39.4
1949.....	39.2	41.6	38.2	40.6	41.7	39.1
1951.....	36.7	38.8	35.8	39.5	40.4	38.3
1952.....	39.9	42.5	38.8	39.5	40.3	38.4
1953.....	38.2	40.6	37.3	39.6	40.6	38.2
1954.....	38.4	40.5	37.5	39.4	40.4	38.0
1955.....	39.6	41.7	38.8	39.9	40.8	38.6
1956.....	39.8	42.3	39.0	39.5	40.4	38.3
1957.....	37.8	39.8	37.0	39.0	40.1	37.6

See footnote at the end of the table.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada,
by Industrial Group, 1946-57¹ - Continued

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Wood products:						
1946.....	45.1	45.4	41.3	43.7	45.2	40.2
1948.....	44.0	44.2	40.8	42.4	43.6	39.3
1949.....	44.1	44.3	40.6	42.4	43.5	39.4
1951.....	42.9	43.0	40.6	41.5	42.5	38.7
1952.....	43.8	44.0	41.1	41.5	42.6	38.4
1953.....	43.8	44.0	40.4	41.2	42.1	38.5
1954.....	43.2	43.4	40.2	40.9	41.8	38.2
1955.....	43.5	43.7	40.9	40.9	41.8	38.2
1956.....	43.3	43.4	40.7	40.8	41.6	38.1
1957.....	41.8	41.9	39.2	40.1	40.9	37.7
Paper products:						
1946.....	47.1	48.2	41.0	40.9	41.6	39.4
1948.....	47.2	48.0	41.3	40.2	40.7	38.7
1949.....	47.1	47.9	41.9	39.9	40.4	38.4
1951.....	46.5	47.2	40.9	38.9	39.3	38.0
1952.....	45.1	45.5	41.6	38.4	38.7	37.4
1953.....	43.6	44.0	40.0	38.0	38.3	37.1
1954.....	42.7	43.1	39.2	37.7	37.9	37.0
1955.....	43.0	43.2	41.0	37.7	38.0	37.0
1956.....	42.4	42.7	40.0	37.5	37.7	36.8
1957.....	41.0	41.2	38.7	37.4	37.7	36.7
Printing, publishing and allied industries:						
1946.....	42.0	43.3	38.5	39.9	40.6	39.0
1948.....	40.9	42.0	37.8	39.0	39.4	38.3
1949.....	41.0	41.8	38.3	38.7	39.2	37.8
1951.....	40.0	40.6	38.0	38.2	38.5	37.8
1952.....	40.0	40.6	38.0	37.9	38.0	37.6
1953.....	40.0	40.7	37.9	37.3	37.4	37.0
1954.....	40.2	40.7	38.4	37.7	37.9	37.3
1955.....	40.1	40.7	38.2	37.6	37.9	37.2
1956.....	40.3	40.9	38.1	37.3	37.5	37.1
1957.....	39.5	40.2	37.0	37.6	37.8	37.3
Iron and steel products:						
1946.....	44.8	45.0	41.8	40.9	41.5	39.3
1948.....	44.8	45.0	41.6	40.1	40.7	38.6
1949.....	43.6	43.7	41.5	39.8	40.3	38.4
1951.....	42.5	42.7	39.8	39.1	39.6	37.9
1952.....	42.8	42.9	40.1	39.1	39.5	38.0
1953.....	42.1	42.2	39.6	38.9	39.3	37.6
1954.....	41.6	41.7	38.9	38.9	39.2	37.8
1955.....	42.6	42.8	39.9	38.9	39.2	37.8
1956.....	42.4	42.5	39.2	37.8	39.2	37.7
1957.....	40.6	40.7	38.1	38.6	38.9	37.7
Transportation equipment:						
1946.....	42.3	42.4	40.3	42.2	42.8	40.5
1948.....	43.2	43.2	40.7	41.6	42.1	40.2
1949.....	42.9	43.0	39.6	41.5	41.9	40.1
1951.....	42.1	42.2	38.7	41.0	41.3	39.9
1952.....	42.3	42.4	38.5	41.7	42.5	39.2
1953.....	41.6	41.8	38.1	39.9	40.2	38.8
1954.....	41.3	41.4	38.4	40.3	40.7	38.8
1955.....	40.5	40.6	38.6	40.2	40.5	39.1
1956.....	40.8	40.9	39.1	40.2	40.5	39.1
1957.....	40.1	40.2	36.9	39.6	39.9	38.5
Non-ferrous metal products:						
1946.....	44.0	44.5	40.9	41.6	42.4	40.1
1948.....	43.9	44.3	40.7	41.0	41.7	39.1
1949.....	44.4	44.6	41.8	40.9	41.8	38.8
1951.....	41.8	42.0	40.0	39.6	40.2	38.1
1952.....	42.1	42.2	41.0	39.0	39.4	37.8
1953.....	41.5	41.6	39.8	39.4	39.9	37.8
1954.....	41.7	41.9	40.0	38.8	39.2	37.5
1955.....	42.0	42.1	40.7	38.6	39.1	37.3
1956.....	41.6	41.7	40.4	38.4	38.7	37.5
1957.....	41.0	41.1	38.8	37.9	38.2	37.0

See footnote at end of table.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946-57¹ - Concluded

Group and year	Production workers			Administrative and office employees		
	Both sexes	Male	Female	Both sexes	Male	Female
	average hours					
Electrical apparatus and supplies:						
1946	41.9	42.7	40.3	39.6	40.1	38.6
1948	41.8	42.6	39.5	39.0	39.3	38.3
1949	42.1	42.8	40.3	39.0	39.3	38.3
1951	41.5	42.5	38.7	38.8	39.3	37.6
1952	42.1	42.8	40.1	38.5	38.8	37.6
1953	41.8	42.6	40.1	38.6	38.8	37.9
1954	40.9	41.5	39.5	38.8	39.1	38.1
1955	42.3	43.5	40.2	38.8	39.1	38.1
1956	41.7	42.7	39.3	39.1	39.4	38.4
1957	40.3	41.2	38.2	38.7	39.0	38.0
Non-metallic mineral products:						
1946	46.1	46.6	42.0	41.4	42.3	39.2
1948	46.4	46.8	42.8	40.5	41.3	38.2
1949	46.0	46.4	41.8	39.9	40.8	37.8
1951	45.0	45.3	40.2	39.3	39.9	37.6
1952	45.1	45.5	40.2	38.4	39.0	36.8
1953	44.4	44.7	40.9	39.2	39.9	37.1
1954	44.7	45.0	40.5	39.0	39.6	37.2
1955	45.0	45.3	40.5	39.5	40.1	37.5
1956	44.2	44.5	39.9	39.0	39.6	37.2
1957	43.0	43.3	39.0	39.3	39.8	37.5
Products of petroleum and coal:						
1946	41.9	42.0	—	39.5	39.9	38.2
1948	42.1	42.1	—	38.2	38.5	37.1
1949	41.9	41.9	—	38.0	38.6	36.1
1951	41.4	41.4	—	38.4	38.7	37.1
1952	41.5	41.5	—	36.7	37.0	35.9
1953	41.6	41.7	—	37.2	37.5	36.2
1954	41.6	41.7	—	36.8	37.0	36.1
1955	41.5	41.6	—	36.9	37.1	36.3
1956	40.6	40.6	—	36.8	37.0	36.1
1957	41.4	41.5	—	36.8	37.0	36.1
Chemicals and allied products:						
1946	44.4	45.3	41.0	39.5	40.0	38.8
1948	44.0	44.9	40.4	38.8	39.3	38.0
1949	44.3	45.1	40.8	38.7	39.2	37.8
1951	42.7	43.3	39.6	38.6	38.9	38.0
1952	42.3	42.8	39.6	38.4	38.7	37.9
1953	42.3	42.9	39.5	38.3	38.5	37.7
1954	41.6	42.1	39.0	38.0	38.2	37.6
1955	41.5	42.0	39.2	38.3	38.6	37.7
1956	41.5	42.0	39.2	38.0	38.1	37.6
1957	40.9	41.3	38.8	37.8	37.9	37.6
Miscellaneous industries:						
1946	42.9	43.9	41.0	43.1	41.9	38.7
1948	42.3	43.6	40.4	41.7	42.3	38.2
1949	42.8	44.2	40.7	40.5	41.1	37.6
1951	41.8	43.3	39.5	38.9	40.1	37.0
1952	42.4	44.3	39.8	38.3	39.5	35.9
1953	42.2	43.7	40.0	38.9	39.4	37.8
1954	42.1	43.1	40.3	38.8	39.6	37.5
1955	42.7	44.1	40.6	39.1	39.9	37.7
1956	42.5	43.9	40.6	38.3	38.9	37.4
1957	41.2	42.3	39.4	38.2	38.8	37.1

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1957 to the last week in October.

Subsection 5. Earnings in Manufacturing Industries

In 1957, the 37,875 establishments covered, employed 313,884 administrative and office employees and 1,045,177 production workers, a total of 1,359,061 persons. Out of every 1,000 persons employed in manufacturing, 231 were classed as office employees and 769 as production workers; the former earned 29 p.c. and the latter 71 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of that paid to office workers, in 1943 the percentage rose to 76, they declined to 69 in 1947 and rose to 73 in 1957. This tendency towards equalization was due, in part, to the controls

adopted by the Government during the war years which tended to stabilize earnings of office workers more so than the earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay.

Ontario has a larger proportion of females among its office employees than the other provinces. The same situation prevails in Quebec with regard to production workers, due, no doubt, to the textile industries of the Province. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female production workers engaged in the manufacturing industries of Canada in 1957, 42 p.c. were found in the textile and clothing groups.

Average earnings of office workers in 1957 amounted to \$4,471 which was \$1,635 or 58 p.c. higher than in 1949. Office employees in Ontario with \$4,651 were the highest paid. Those

in British Columbia were second with \$4,576, Quebec third with \$4,407, Alberta fourth with \$4,033 and Manitoba fifth with \$3,965. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salary of the provinces in which these cities are located.

Average earnings of production workers in 1957 amounted to \$3,269 which was \$1,202 or 58 p.c. higher than in 1949. The manufacturing industries of British Columbia paid the highest average annual wages of \$3,647. Ontario with \$3,483 was in second place, followed by Alberta with \$3,334, Saskatchewan \$3,312, Newfoundland \$3,159, Manitoba \$2,986, Quebec \$2,973, etc. The high figure shown for Yukon and Northwest Territories in regard to average earnings of production workers is due to the unusual conditions under which industry is carried on in these regions, and is not representative. Statistics of the distribution of employees by provinces and industrial groups as well as average annual earnings are given in Table 33.

**TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1957
with Totals for Significant Years, 1917-56**

	Administrative and office employees ¹				Production workers			
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	number		dollars		number		dollars	
1917	64,918		85,353,667	1,315	541,605		412,448,177	762
1920	78,334		141,837,361	1,811	520,559		575,656,515	1,106
1922	71,586		129,836,831	1,814	384,870		359,560,399	935
1924	54,379	15,641	130,344,822	1,862	322,719	94,871	404,122,853	968
1926 ²	58,245	17,092	142,353,900	1,890	374,244	109,580	483,328,342	999
1929 ²	67,731	21,110	175,553,710	1,976	454,768	122,922	601,737,507	1,042
1930 ²	64,161	20,550	169,992,216	2,007	416,790	113,195	527,563,162	995
1931 ¹	71,198	20,293	172,289,095	1,883	337,636	99,513	415,277,895	950
1932	68,264	18,786	151,355,790	1,739	288,817	92,966	322,245,926	844
1933	67,875	18,761	139,317,946	1,608	287,266	94,756	296,929,878	777
1934	71,963	20,132	148,760,126	1,615	326,598	101,119	355,090,929	830
1935	76,213	21,717	160,455,080	1,638	353,790	104,944	399,012,697	870
1936	81,409	23,008	173,198,057	1,659	379,977	109,965	438,873,377	896
1937	91,092	24,735	195,983,475	1,692	427,285	117,339	525,743,562	965
1938	95,270	25,319	207,386,381	1,719	409,172	112,255	498,282,208	956
1939	98,165	26,607	217,839,334	1,746	415,488	117,854	519,971,819	975
1940	104,267	31,493	241,599,761	1,780	491,439	135,045	679,273,104	1,084
1941	117,251	41,693	286,336,861	1,801	626,825	175,409	978,525,782	1,220
1942	123,125	54,062	334,870,793	1,890	732,319	242,585	1,347,934,049	1,383
1943	128,679	64,516	388,857,505	2,013	762,854	285,019	1,598,434,879	1,525
1944	126,858	65,700	418,065,594	2,171	744,635	285,689	1,611,555,776	1,564
1945	128,601	62,106	417,857,619	2,191	680,620	248,045	1,427,915,830	1,538
1946	127,002	54,004	410,875,776	2,270	662,699	214,451	1,329,811,478	1,516
1947	135,248	55,852	474,693,800	2,484	721,407	219,243	1,611,232,166	1,713
1948	141,038	57,192	532,594,959	2,687	738,721	218,770	1,876,773,231	1,960
1949	157,516	64,035	628,427,937	2,836	732,457	217,199	1,963,462,720	2,067
1950	164,475	66,578	692,633,349	2,998	736,477	215,767	2,078,634,086	2,183
1951	176,943	70,844	816,714,604	3,296	792,394	218,194	2,459,566,313	2,434
1952	188,235	74,792	923,905,251	3,513	810,060	215,295	2,713,714,909	2,647
1953	195,843	78,382	1,016,679,409	3,707	828,363	224,863	2,940,338,939	2,792
1954	199,763	79,173	1,075,101,215	3,854	779,955	209,075	2,821,586,476	2,853
1955	206,881	80,588	1,147,142,086	3,990	796,721	214,271	2,995,267,448	2,963
1956	216,295	85,002	1,272,025,985	4,222	831,336	220,387	3,298,666,205	3,136

¹ The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were required to report themselves as production workers. In 1931 and subsequent years, however, all such proprietors reported themselves as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all.

² The averages of the number of production workers and earnings for the years 1931 to 1957 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years—as for the earliest—represent the earnings for complete man-years of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1957
with Totals for Significant Years, 1917-56 — Concluded

Province and group	Administrative and office employees				Production workers			
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	number		dollars		number		dollars	
Provinces, 1957								
Newfoundland	1,984	329	7,010,203	3,031	7,146	1,014	25,773,512	3,159
Prince Edward Island	315	89	932,042	2,307	886	373	2,346,780	1,864
Nova Scotia	3,999	1,254	17,775,461	3,384	22,582	3,695	72,859,154	2,773
New Brunswick	2,564	828	12,174,704	3,589	14,929	2,664	48,310,603	2,746
Quebec	71,762	27,165	435,933,580	4,407	257,141	93,315	1,041,894,756	2,973
Ontario	112,853	46,914	743,110,040	4,651	389,755	94,723	1,687,566,424	3,483
Manitoba	6,756	2,614	37,153,699	3,965	26,667	7,847	103,046,557	2,986
Saskatchewan	2,434	870	12,031,464	3,641	7,703	1,005	28,843,885	3,312
Alberta	7,257	2,420	39,025,167	4,033	25,666	3,746	98,052,271	3,334
British Columbia	16,322	5,107	98,069,454	4,576	74,753	9,449	307,060,478	3,647
Yukon and Northwest Territories	36	12	185,935	3,874	100	18	471,830	3,999
Canada	226,282	87,602	1,403,401,749	4,471	827,328	217,849	3,416,226,250	3,269
Industrial groups, 1957								
Foods and beverages	27,747	11,623	154,082,898	3,914	115,119	37,688	435,942,217	2,853
Tobacco and tobacco products	866	451	6,803,127	5,166	3,269	5,319	26,519,694	3,088
Rubber products	3,798	1,618	25,121,531	4,638	13,216	3,546	58,068,049	3,464
Leather products	2,682	1,285	16,690,724	4,207	15,108	12,024	61,077,759	2,251
Textiles	8,931	4,385	58,616,077	4,402	35,371	19,825	142,962,735	2,590
Knitting mills	1,397	1,104	9,987,920	3,994	5,811	13,349	40,228,838	2,100
Clothing	7,407	4,617	53,522,405	4,451	21,798	57,292	165,436,647	2,092
Wood products	20,210	3,745	78,122,416	3,261	97,304	5,580	290,537,752	2,824
Paper products	13,007	4,916	98,779,660	5,511	67,945	8,415	304,506,631	3,988
Printing, publishing and allied industries	18,581	11,709	112,597,873	3,717	35,410	8,859	161,857,091	3,656
Iron and steel products	34,256	11,389	216,750,231	4,749	146,040	6,870	590,342,669	3,861
Transportation equipment	26,796	7,302	170,035,056	4,987	107,008	3,533	421,426,325	3,812
Non-ferrous metal products	9,497	2,844	61,883,391	5,014	39,503	2,737	166,384,997	3,939
Electrical apparatus and supplies	20,058	7,295	130,698,199	4,778	38,585	15,494	189,718,448	3,508
Non-metallic mineral products	6,117	1,837	36,136,071	4,543	30,239	1,927	114,177,114	3,560
Products of petroleum and coal	5,097	1,622	36,359,391	5,411	10,968	70	52,328,383	4,741
Chemicals and allied products	13,984	6,954	98,996,943	4,728	28,080	5,690	123,047,546	3,644
Miscellaneous industries	5,851	2,906	38,217,836	4,364	16,554	9,631	71,663,355	2,737

Average Annual Earnings in the Forty Leading Industries

— Variations in average earnings are related to the number of employees in industries or areas where pay levels are above or below the average because of differences in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industry, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

In 1957 there were ten industries paying office workers \$5,000 or over, as compared with none in 1951. Indicative of the rapidly changing pattern of remuneration in manufacturing is the fact that in 1945, the last year of the war, no industry paid office workers annual salaries of over \$3,000. The highest average earnings in that year were \$2,935 reported by the brewing industry. Highest average earnings in 1957, amounting to \$6,121 were received by the administrative and office employees of the pulp and paper industry which has held the premier position for a number of years. This is the first time that an industry averaged over \$6,000 in annual earnings.

Primary iron and steel with \$5,723, breweries \$5,633, petroleum products \$5,592, non-ferrous metal smelting and refining \$5,439, acids, alkalis and salts \$5,318, motor vehicles \$5,287, bridge and structural steel \$5,223, motor vehicle parts \$5,109, and railway rolling stock \$5,025 were the other industries with \$5,000 and over. There were thirteen other industries with average salaries of \$4,500 to \$5,000, ten with salaries of \$4,000 to \$4,500, six with salaries of \$3,000 to \$4,000, and only one, viz. sawmills with salaries below \$3,000. Average salaries in the forty leading industries totalled \$4,568 as compared with \$4,256 for the smaller industries. This lower average is due in part to a higher proportion of female office employees in the smaller industries. In the forty leading industries 26 p.c. of the office employees were female while in the smaller industries 33 p.c. were in this category.

The increase in the average earnings of production workers since 1945 paralleled that of administrative and office employees. Whereas in 1945 there were only four industries averaging over \$2,000, in 1957 none of the forty leading industries averaged below this figure. In 1945 the highest annual earnings, amounting to \$2,365, were paid by the motor vehicle industry, while in 1957 the highest earnings which totalled \$4,866 were paid by the petroleum products industry. This industry which was in first place for a number of years was displaced by the primary iron and steel industry in 1956.

The highest earnings are usually paid by industries in which the proportion of skilled workers is high, and the proportion of female workers is low. Ten industries in 1957 had average annual earnings of \$4,000 or more. These were: petroleum products \$4,866, primary iron and steel \$4,577, acids, alkalies and salts \$4,400, pulp and paper \$4,358, non-ferrous metal smelting and refining \$4,353, bridge and structural steel work \$4,221, breweries \$4,027, printing and publishing \$4,017, motor vehicles \$4,011, and boilers, tank and plate work \$4,011. In thirteen other industries average annual earnings ranged between \$3,500 and \$4,000, in twelve they were between \$2,500 and \$3,500 while in the remaining five they were below

\$2,500. This last group includes industries made up of a large number of small establishments and in which the proportion of female workers is high. Cotton yarn and cloth with \$2,456, women's factory clothing \$2,194, leather footwear \$2,183, fruit and vegetable preparations \$2,140, and men's factory clothing \$2,083 are the industries in this category. Average annual earnings of production workers in the forty leading industries amounted to \$3,446 as compared with \$2,878 for the smaller industries. The lower average for the smaller industries is due mainly to a higher proportion of female workers. Employment by sex, and average annual earnings in the forty leading industries are given in Table 34.

TABLE 34. Annual Earnings in the Forty Leading Industries, 1957

Note: Industries ranked according to the aggregate salaries and wages paid

No.	Industry	Administrative and office employees				Production workers			
		Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
		number	number	dollars	dollars	number	number	dollars	dollars
1	Pulp and paper	8,808	2,687	70,361,212	6,121	53,448	997	237,266,637	4,358
2	Aircraft and parts	11,580	3,376	74,218,216	4,962	25,926	734	105,480,963	3,957
3	Primary iron and steel	4,303	1,176	31,355,782	5,723	30,274	191	139,423,564	4,577
4	Motor vehicles	6,503	1,713	43,441,992	5,287	24,581	396	100,187,882	4,011
5	Sawmills	9,815	842	25,815,000	2,704	39,737	270	117,351,269	2,933
6	Non-ferrous metal smelting and refining	4,716	692	29,413,697	5,439	24,152	53	105,361,509	4,353
7	Printing and publishing	9,384	5,374	57,637,519	3,906	14,276	1,896	64,965,343	4,017
8	Machinery, industrial	6,572	2,334	38,726,472	4,348	18,158	627	70,465,746	3,751
9	Miscellaneous electrical apparatus and supplies	5,676	2,217	37,320,954	4,728	13,517	6,200	69,605,834	3,530
10	Railway rolling stock	2,595	345	14,774,172	5,025	24,935	34	89,393,970	3,580
11	Machinery, heavy electrical	6,714	2,304	43,099,922	4,779	12,808	2,408	59,978,752	3,941
12	Bread and other bakery products	3,917	1,410	16,805,348	3,155	22,708	7,408	82,972,495	2,755
13	Furniture	4,515	1,487	23,806,993	3,967	24,399	2,280	74,080,356	2,777
14	Slaughtering and meat packing	4,248	1,422	25,058,220	4,419	15,817	3,604	69,372,615	3,572
15	Printing and bookbinding	4,803	2,196	28,499,744	4,072	14,501	5,452	63,939,445	3,205
16	Rubber goods	3,798	1,188	25,121,531	4,638	13,216	3,546	58,068,049	3,464
17	Motor vehicle parts	3,314	1,116	22,632,265	5,109	13,895	2,101	60,311,610	3,770
18	Clothing, men's factory	2,651	1,630	19,337,456	4,517	8,369	19,374	57,787,010	2,083
19	Sheet metal products	3,487	1,279	22,996,254	4,825	13,468	1,499	54,113,216	3,616
20	Petroleum products	4,466	1,411	32,863,834	5,592	8,364	67	41,023,240	4,866
21	Shipbuilding and repairs	2,293	599	12,354,718	4,272	15,477	48	58,811,454	3,788
22	Bridge and structural steel work	3,020	633	19,079,925	5,223	12,279	12	51,876,343	4,221
23	Telecommunication equipment	5,537	1,828	35,904,651	4,875	5,826	5,312	32,184,191	2,890
24	Castings, iron	2,159	731	13,877,415	4,802	13,633	254	53,378,309	3,844
25	Clothing, women's factory	1,822	1,424	16,050,352	4,945	5,232	17,714	50,342,701	2,194
26	Butter and cheese	3,082	1,748	14,930,540	3,091	14,812	742	49,150,439	3,160
27	Cotton yarn and cloth	2,087	1,138	13,281,610	4,118	11,798	6,108	43,970,485	2,456
28	Sash door and planing mills	3,342	635	13,848,915	3,482	14,713	179	39,386,804	2,645
29	Boxes and bags, paper	2,128	1,027	13,434,751	4,258	8,208	4,578	39,191,103	3,065
30	Hardware, tools and cutlery	2,095	1,037	14,961,237	4,777	9,327	1,393	37,453,605	3,494
31	Synthetic textiles and silk	2,845	1,181	17,741,858	4,407	8,726	2,499	33,291,888	2,966
32	Miscellaneous chemical products	3,099	1,270	21,183,605	4,849	6,791	1,286	29,049,220	3,597
33	Footwear, leather	1,647	835	10,368,592	4,178	9,140	8,624	38,771,391	2,183
34	Acids, alkalies and salts	2,586	738	17,676,020	5,318	6,596	61	29,289,621	4,400
35	Fruit and vegetable preparations	2,126	1,150	12,751,988	3,893	7,415	7,051	30,959,751	2,140
36	Miscellaneous iron and steel products	1,982	507	11,664,701	4,687	8,307	705	29,949,318	3,323
37	Wire and wire goods	1,546	625	10,785,572	4,968	6,920	741	28,573,937	3,730
38	Agricultural implements	1,992	532	11,233,752	4,451	7,624	123	28,044,364	3,620
39	Boilers, tanks and plate work	1,964	625	11,627,923	4,491	6,609	28	26,619,950	4,011
40	Breweries	1,484	462	10,960,953	5,633	6,427	40	26,042,193	4,027
Totals, forty leading industries		160,701	55,334	987,005,661	4,568	602,409	116,635	2,477,486,572	3,446
Totals, other industries		65,581	32,248	416,396,088	4,256	224,919	101,214	938,739,678	2,878
Totals, all industries		226,282	87,602	1,403,401,749	4,471	827,328	217,849	3,416,226,250	3,269

Average Annual, Weekly and Hourly Earnings. — Statistics on employment and earnings are compiled in two separate divisions of the Bureau, viz. the Industry and Merchandising Division and the Labour Division. The Industry and Merchandising Division collects from every manufacturer once a year details of the number of persons employed and total payments made during the calendar year, classified by sex. This data is also classified into (a) administrative and office employees and (b) production and related workers. The office employees reported is the average for the year, while in the case of production workers manufacturers report the number of workers receiving pay during the last pay period of each month and the monthly average is calculated in the Bureau. We thus have statistics on employment broken down by sex with separate figures on the amounts paid to (a) administrative and office employees referred to as **Office Employees** and (b) production and related workers referred to as **Production Workers**. Average annual earnings, not broken down by sex, are, therefore, available for these two classes of employees.

Statistics on weekly and hourly earnings as well as hours worked per week are compiled by the Employment Section of the Labour Division. In addition to the monthly surveys on employment, payrolls and man-hours which covers all sectors of the economy, there is an annual survey on earnings and hours worked in the last week of October, covering the larger manufacturing establishments. Each year statistics of earnings and hours of male and female wage-earners and salaried employees are obtained, with additional detail collected in a three-year cycle since 1949. In 1956, as in 1953 and 1950, a distribution of wage-earners and salaried employees by amounts earned in the survey week was made. The first two inquiries had required distributions in \$5 intervals to \$60 per week, in \$10 intervals thereafter, with an upper class of \$100 and over while the 1956 survey called for distributions in \$10 intervals to \$150 a week. In 1955, a distribution of wage-earners in a given range of hours was obtained while, in 1954, information for office and clerical workers was segregated from that for managerial, professional and other salaried personnel. The annual and monthly surveys cover establishments usually employing 15 or more persons and include almost 90 p.c. of all employees in manufacturing as reported to the Annual Census of Manufactures.

Establishments co-operating in the annual surveys are asked to furnish material for all full-time, casual and part-time employees receiving pay in the last week in October, except home-workers. Proprietors, firm members, pensioners, and staffs of separately-organized sales offices are excluded. Establishments closed in the week because of labour disputes usually report for the nearest week of operation. Men and women are grouped as (1) wage-earners, defined generally as production workers, including working foremen, route-drivers, shipping and maintenance staffs, and related employees, and (2) salaried employees, comprising general office and clerical workers in the office and plant, executive, administrative and professional personnel, and travelling salesmen directly responsible to the plant administration. Hours and earnings in the week are required for workers of both sexes in each category.

The reported hours include full-time, short-time and over-time hours worked and any hours of paid absence in the week. The earnings cover the gross payrolls before deductions for taxes, unemployment insurance contributions, etc., including time, piece-work and commission earnings, regularly-paid incentive, cost-of-living and other bonuses, overtime earnings, and payments to persons absent with pay during the survey week.

While establishments differ to some extent in their classification of certain categories of employees, the proportions of salaried employees in the various industries and areas are generally related to the type and scale of operations. Where plants are typically small, as in Saskatchewan, proprietors and firm members (excluded from the surveys) frequently undertake managerial and office duties that in larger establishments require substantial staffs. On the other hand, large and multiple plant organizations and those requiring many professional workers, such as printing and publishing, employ above-average proportions of salaried personnel. Where travelling salesmen and associated office workers appear on the plant payroll, salaried workers are relatively more numerous than where

separate sales offices are maintained. The proportions of employees reported as salaried staff and as wage-earners are affected by seasonal and market conditions and by other factors contributing to variations in production levels, which usually cause sharper fluctuations in numbers of wage-earners than of salaried employees.

Inter-industry and area variations in hours, as well as year-to-year changes, result from a variety of causes. These include (1) the length of the standard work week, (2) the number of casual and part-time workers and the hours they worked in the reported week, (3) amounts of overtime worked, and of time lost through absenteeism, labour turnover, industrial disputes, lay-offs, etc., (4) differing occupational requirements, and (5) varying proportions of men and women. Women generally average substantially less time than men. Their standard work week tends to be shorter, relatively small proportions of women are employed in industries where the work week is above-average, and they have a higher incidence of part-time work and of absenteeism.

Differences in average earnings are related to the distributions of employees in industries or areas where pay levels vary from the average because of variations in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, in levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industries, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

There are a few minor differences in the coverage and wording used by the two divisions. The terms "administrative and office employees" and "production and related workers" used by the Industry and Merchandising Division in its annual survey of manufactures corresponds more or less to the terms "salaried employees" and "wage-earners" used by the Employment Section of the Labour Division. There are, however, two minor differences in the two surveys. The Industry and Merchandising Division includes working proprietors with office employees while the Labour Division excludes them from their surveys. In the case of travelling salesmen attached to the plant the Labour Division includes them with salaried employees while the Industry and Merchandising Division does not consider them as being employed in manufacturing.

Prior to 1946 statistics on weekly and hourly earnings as well as hours worked by production workers were collected by the Industry and Merchandising Division in the annual survey of manufactures. Since then this phase of the work was taken over by the Employment Section of the Labour Division and was also expanded to include office employees.

The figures for the years 1934 to 1945 given in Table 35 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such a case it coincides for a great number of firms engaged in the same industry. The figures since 1946 are based on returns received from establishments employing 15 hands or over, and for 1946 and 1947 they refer to the last week in the month of November, whereas for 1948-1957 they refer to the last week in the month of October.

As mentioned above, average annual earnings in manufacturing, classified by sex, are not directly available. To calculate annual earnings by sex, the weekly earnings compiled by the Employment Section are correlated with the employment and payroll data obtained by the annual survey of manufactures. The following example will illustrate the method that is used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female office employees with total payments of \$46,537,336. From

the October survey on weekly earnings this group showed \$77.41 per week for male and \$34.88 per week for female office employees. The proportion of female to male earnings is therefore .451 $\frac{\$34.88}{\$77.41}$. Female employees are first reduced to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

$$\frac{\$46,537,336}{9,077 + .451(3,573)} = \frac{\$46,537,336}{10,688} = \$4,354$$

Annual Earnings of Female Employees

$$\$4,354 \times .451 = \$1,964$$

In the foregoing calculation the assumption is made that annual earnings of male and female employees vary in the same proportion as their weekly earnings. In the above illustration it may also be noted that the calculated annual earnings for male employees amounting to \$4,354 are higher than the weekly earnings multiplied by 52 which total only \$4,025 (\$77.41 x 52). This difference is due to the fact that the earnings reported to the Census of Manufactures include payments to executives as well as bonuses to employees which are usually paid at the end of the year, while the earnings reported for the one week in the year exclude such payments.

Average Annual, Weekly and Hourly Earnings of Production Workers. — Average weekly earnings of male production workers for manufacturing as a whole amounted to \$72.21 in 1957, an

increase of \$24.88 or 53 p.c. as compared with 1949. Average hourly earnings advanced from \$1.07 in 1949 to \$1.75 in 1957, an increase of 64 p.c.; while annual earnings at \$3,609 were 58 p.c. higher. There are wide regional and industrial variations in hourly earnings. British Columbia is the highest paying province, hourly earnings for male production workers being \$2.01 in 1957 as compared with \$1.75 for Canada as a whole. Ontario with \$1.84 was second while Prince Edward Island with \$1.13 was the lowest. On an industrial basis, male production workers in the products of petroleum and coal group of industries were the highest paid with an hourly average of \$2.24, while the leather group was the lowest with \$1.31.

Female production workers received on an average \$39.49 per week in 1957, an increase of \$12.31 or 45 p.c. since 1949. Hourly earnings at \$1.05 were 54 p.c. higher, while annual earnings at \$1,974 were 50 p.c. higher. In the case of females, British Columbia with \$1.30 per hour was also the highest paying province, while Newfoundland with 59 cents was the lowest. The transportation equipment and tobacco products groups with \$1.46 per hour paid the highest wages to its female production workers, while the leather products group had the lowest at 89 cents per hour. The leather products group had the lowest hourly earnings for both male and female production workers.

The following table gives the weekly and hourly earnings of male and female production workers for each province and major industrial group for the year 1957.

Average Weekly and Hourly Earnings of Male and Female Production Workers, by Provinces and Industrial Groups, 1957

Province and industrial group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
dollars				
Provinces				
Newfoundland.....	65.68	1.67	19.04	0.59
Prince Edward Island	45.81	1.13	23.34	0.68
Nova Scotia.....	61.70	1.50	25.24	0.65
New Brunswick.....	61.97	1.49	28.11	0.78
Quebec.....	68.24	1.60	37.38	0.99
Ontario.....	75.38	1.84	42.25	1.11
Manitoba	67.60	1.66	35.70	0.96
Saskatchewan	68.54	1.69	40.79	1.13
Alberta.....	71.08	1.76	42.98	1.19
British Columbia	77.42	2.01	44.72	1.30
Canada.....	72.21	1.75	39.49	1.05
Industrial groups				
Foods and beverages.....	64.16	1.52	36.98	1.00
Tobacco and tobacco products.....	70.95	1.76	54.84	1.46
Rubber products	74.09	1.79	48.85	1.20
Leather products	52.00	1.31	32.54	0.89
Textile products (except clothing)	57.36	1.33	40.72	1.04
Clothing, including knitting mills	57.35	1.44	34.65	0.94
Wood products.....	60.38	1.44	43.29	1.10
Paper products	81.51	1.98	41.62	1.08
Printing, publishing and allied industries	84.27	2.10	39.50	1.07
Iron and steel products	76.75	1.88	50.32	1.32
Transportation equipment	76.31	1.90	54.09	1.46
Non-ferrous metal products.....	79.79	1.94	39.68	1.02
Electrical apparatus and supplies.....	74.57	1.81	49.52	1.29
Non-metallic mineral products	72.16	1.66	46.18	1.19
Products of petroleum and coal	92.86	2.24	--	--
Chemicals and allied products	76.96	1.86	42.92	1.11
Miscellaneous industries	63.81	1.51	38.54	0.98

-- Number too small to be significant.

TABLE 35. Average Annual, Weekly and Hourly Earnings of Production Workers, Employed in the Manufacturing Industries, 1934-57¹

Note: Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

Year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
1934	830	18.30	0.37	930	20.31	0.41 ²	539	11.80	0.25 ²
1935	870	18.50	0.38	966	20.41	0.41 ²	570	12.04	0.26 ²
1936	896	18.96	0.39	995	20.92	0.42 ²	577	12.20	0.26 ²
1937	965	..	..	..	..	..	..	..	..
1938	956	19.49	0.42	1,055	21.49	0.45	594	12.10	0.27
1939	975	20.14	0.43	1,076	22.23	0.46	619	12.78	0.28
1940	1,084	22.35	0.45	1,202	24.82	0.49	655	13.52	0.27
1941	1,220	24.95	0.49	1,355	27.72	0.54	736	15.05	0.32
1942	1,383	28.18	0.56	1,558	31.75	0.62	854	17.41	0.37
1943	1,525	29.87	0.61	1,726	33.80	0.67	987	19.33	0.43
1944	1,564	31.05	0.65	1,761	34.95	0.71	1,051	20.89	0.48
1945	1,538	30.98	0.67	1,739	35.04	0.74	984	19.84	0.47
1946	1,516	32.38	0.74	1,702	36.23	0.81	943	20.08	0.50
1947	1,713	37.19	0.85	1,909	41.35	0.92	1,067	23.11	0.58
1948	1,960	41.25	0.95	2,175	45.73	1.02	1,233	25.91	0.65
1949	2,067	42.61	0.98	2,291	47.33	1.07	1,315	27.18	0.68
1950	2,183	45.94	1.06	2,419	50.93	1.14	1,376	29.00	0.73
1951	2,434	51.32	1.22	2,693	56.46	1.31	1,492	31.27	0.83
1952	2,647	55.17	1.30	2,915	60.85	1.40	1,638	34.17	0.86
1953	2,792	56.75	1.36	3,082	62.71	1.47	1,723	35.07	0.91
1954	2,853	57.99	1.40	3,145	63.98	1.51	1,764	35.90	0.93
1955	2,963	60.53	1.44	3,267	66.86	1.57	1,833	37.52	0.95
1956	3,136	63.97	1.53	3,458	70.67	1.66	1,923	39.29	1.00
1957	3,269	65.31	1.61	3,609	72.21	1.75	1,974	39.49	1.05

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1957 to the last week in October. Annual earnings are calculated. See text on pages 84 and 85.

² Estimated on the basis of hours worked by female workers in 1938 and 1939 as compared with those worked by male workers in these years.

.. Not available.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-57

(Statistics for the years 1938-45 are published on page 60 of the 1950 General Review of the Manufacturing Industries of Canada)

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Newfoundland:									
1949	2,392	..	..	2,919	50.85	1.07	1,016	17.72	0.42
1950	2,626	46.52	0.99	2,919	50.85	1.07	1,016	17.72	0.42
1951	2,350	52.37	1.15	2,613	56.80	1.23	852	18.51	0.46
1952	2,479	54.42	1.23	2,705	58.78	1.32	903	19.62	0.49
1953	2,549	57.11	1.32	2,735	60.50	1.38	911	20.13	0.54
1954	2,820	57.57	1.35	3,059	61.67	1.43	1,043	21.01	0.55
1955	2,752	56.93	1.37	3,053	61.17	1.46	1,035	20.72	0.55
1956	2,861	59.89	1.46	3,154	65.52	1.56	921	19.12	0.57
1957	3,159	60.42	1.57	3,464	65.68	1.67	1,005	19.04	0.59
Prince Edward Island:									
1946	911	21.51	0.46	1,097	25.42	0.54	555	12.87	0.29
1948	1,149	27.66	0.60	1,317	30.68	0.66	715	16.66	0.39
1949	1,145	29.76	0.62	1,323	33.96	0.71	718	18.45	0.40
1951	1,312	34.10	0.74	1,521	38.33	0.83	808	20.34	0.46
1952	1,455	43.53	0.96	1,719	48.13	1.04	801	22.41	0.55
1953	1,616	38.07	0.83	1,846	42.94	0.93	1,032	24.02	0.54
1954	1,591	39.55	0.88	1,832	44.47	0.97	967	23.48	0.55
1955	1,607	39.76	0.90	1,857	45.82	1.02	940	23.17	0.55
1956	1,679	42.03	0.94	1,962	47.92	1.05	1,052	25.69	0.61
1957	1,864	39.69	1.02	2,181	45.81	1.13	1,110	23.34	0.68

¹ The average annual earnings are calculated on the basis of the total amount paid during the year as reported to census of industry, while the weekly earnings are based on an analysis of the pay-list for the last week in October and only cover establishments employing 15 hands or over. The drop in the average annual earnings is due in part to these factors as well as to the fact that in 1951 statistics for the processing of fish in Newfoundland were included with manufacturers for the first time. As this is a seasonal industry annual earnings are, therefore, lower. In 1951 average annual earnings of production workers for both sexes for this industry averaged \$1,151 as compared with \$2,806 for the other industries of the province.

.. Not available.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-57 - Continued

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Nova Scotia:									
1946	1,398	31.44	0.69	1,502	33.90	0.74	762	17.18	0.39
1948	1,680	37.74	0.82	1,810	40.66	0.88	901	20.25	0.46
1949	1,810	39.56	0.89	1,959	42.87	0.96	911	19.94	0.47
1951	2,024	44.77	1.03	2,179	48.30	1.11	998	22.14	0.52
1952	2,187	46.89	1.11	2,349	50.41	1.19	1,113	23.89	0.56
1953	2,313	49.27	1.18	2,494	53.15	1.27	1,100	23.45	0.57
1954	2,337	48.37	1.18	2,520	52.41	1.27	1,106	23.01	0.59
1955	2,446	51.53	1.25	2,641	55.62	1.34	1,173	24.70	0.62
1956	2,608	53.61	1.30	2,821	58.19	1.41	1,255	25.88	0.63
1957	2,773	56.50	1.39	3,024	61.70	1.50	1,237	25.24	0.65
New Brunswick:									
1946	1,390	30.54	0.66	1,528	33.58	0.72	781	17.16	0.40
1948	1,741	38.03	0.84	1,915	41.55	0.88	1,015	20.25	0.53
1949	1,823	38.64	0.85	1,983	42.18	0.91	1,114	23.71	0.57
1951	2,087	46.87	1.06	2,275	51.42	1.13	1,188	26.86	0.69
1952	2,201	48.33	1.10	2,376	52.19	1.17	1,340	29.42	0.72
1953	2,326	49.93	1.17	2,534	54.48	1.24	1,234	26.51	0.72
1954	2,375	51.28	1.21	2,594	55.16	1.27	1,209	25.70	0.68
1955	2,414	54.37	1.26	2,628	58.82	1.34	1,267	28.33	0.73
1956	2,587	57.61	1.32	2,826	62.65	1.41	1,325	29.36	0.73
1957	2,746	57.12	1.40	2,994	61.97	1.49	1,359	28.11	0.78
Quebec:									
1946	1,445	30.51	0.67	1,660	34.95	0.74	926	19.49	0.47
1948	1,829	38.03	0.85	2,077	43.80	0.94	1,190	25.11	0.61
1949	1,907	39.61	0.89	2,171	45.19	0.98	1,246	25.93	0.65
1951	2,216	47.26	1.10	2,528	53.58	1.20	1,385	29.37	0.78
1952	2,413	50.64	1.15	2,741	57.74	1.27	1,519	32.00	0.80
1953	2,558	52.48	1.23	2,911	59.72	1.35	1,592	32.67	0.85
1954	2,614	53.04	1.25	2,961	60.28	1.38	1,661	33.80	0.87
1955	2,695	55.84	1.29	3,061	63.69	1.43	1,708	35.53	0.89
1956	2,858	59.39	1.38	3,246	67.56	1.52	1,798	37.46	0.94
1957	2,973	59.93	1.45	3,380	68.24	1.60	1,852	37.38	0.99
Ontario:									
1946	1,552	33.26	0.78	1,738	37.09	0.84	963	20.53	0.53
1948	2,060	42.86	1.00	2,273	47.10	1.07	1,300	26.92	0.69
1949	2,187	44.34	1.04	2,405	48.88	1.12	1,400	28.45	0.72
1951	2,602	53.87	1.30	2,848	58.60	1.38	1,635	33.66	0.89
1952	2,840	58.27	1.38	3,094	63.60	1.49	1,788	36.78	0.94
1953	2,980	59.34	1.44	3,257	65.00	1.55	1,892	37.74	0.98
1954	3,026	60.83	1.48	3,304	66.54	1.59	1,916	38.56	1.00
1955	3,166	63.25	1.52	3,457	69.25	1.64	1,998	40.06	1.02
1956	3,349	66.87	1.62	3,662	73.39	1.75	2,080	41.69	1.07
1957	3,483	68.71	1.70	3,811	75.38	1.84	2,134	42.25	1.11
Manitoba:									
1946	1,491	31.16	0.73	1,662	34.51	0.79	949	19.72	0.50
1948	1,833	39.22	0.91	2,042	43.48	0.99	1,144	24.35	0.62
1949	1,900	41.06	0.95	2,114	45.39	1.02	1,222	26.24	0.66
1951	2,270	48.46	1.17	2,532	53.21	1.26	1,382	29.07	0.76
1952	2,443	51.17	1.23	2,698	56.34	1.34	1,562	32.63	0.82
1953	2,619	53.48	1.31	2,925	59.21	1.42	1,580	31.98	0.84
1954	2,647	54.85	1.33	2,939	60.70	1.45	1,631	33.67	0.87
1955	2,762	57.10	1.37	3,090	63.38	1.50	1,666	34.19	0.87
1956	2,937	59.19	1.44	3,273	65.65	1.57	1,784	35.76	0.91
1957	2,986	60.72	1.52	3,345	67.60	1.66	1,766	35.70	0.96
Saskatchewan:									
1946	1,455	32.78	0.75	1,531	34.11	0.77	1,007	22.45	0.55
1948	1,916	40.12	0.93	2,022	42.12	0.97	1,252	26.09	0.67
1949	2,042	41.34	0.98	2,142	43.33	1.01	1,384	27.99	0.71
1951	2,363	49.18	1.19	2,473	51.58	1.23	1,568	32.69	0.85
1952	2,609	52.87	1.28	2,730	55.30	1.32	1,753	35.52	0.91
1953	2,785	56.33	1.37	2,909	58.73	1.41	1,865	37.62	1.00
1954	2,900	58.67	1.41	3,056	61.86	1.46	1,748	35.41	0.99
1955	3,017	60.13	1.45	3,181	63.70	1.51	1,797	36.00	0.99
1956	3,114	62.13	1.53	3,275	65.62	1.59	1,909	38.23	1.02
1957	3,312	64.78	1.62	3,475	68.54	1.69	2,068	40.79	1.13
Alberta:									
1946	1,477	32.40	0.75	1,582	34.50	0.79	981	21.38	0.51
1948	1,890	41.35	0.96	2,005	43.80	1.00	1,251	27.31	0.67
1949	2,025	43.80	1.01	2,137	46.01	1.05	1,385	29.83	0.73
1951	2,323	50.39	1.22	2,449	52.83	1.27	1,531	33.04	0.86
1952	2,518	55.10	1.33	2,653	58.30	1.39	1,661	36.48	0.96
1953	2,718	58.43	1.42	2,864	61.66	1.48	1,787	38.45	1.01
1954	2,870	60.82	1.47	3,037	64.00	1.52	1,795	37.81	1.03
1955	2,977	61.80	1.50	3,141	65.16	1.56	1,894	39.31	1.04
1956	3,137	64.58	1.57	3,297	67.96	1.64	2,074	42.72	1.11
1957	3,334	67.45	1.70	3,510	71.08	1.76	2,124	42.98	1.19

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-57 - Concluded

Province and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
British Columbia:									
1946	1,750	36.83	0.89	1,956	39.01	0.94	1,156	23.05	0.59
1948	2,182	46.02	1.14	2,298	48.27	1.19	1,360	28.58	0.75
1949	2,282	47.36	1.18	2,410	49.82	1.23	1,381	28.57	0.77
1951	2,723	58.65	1.50	2,871	61.70	1.56	1,589	34.36	0.96
1952	2,975	62.21	1.58	3,127	65.35	1.65	1,776	37.11	1.03
1953	3,108	64.76	1.64	3,277	68.10	1.71	1,842	38.28	1.05
1954	3,221	66.95	1.69	3,386	70.07	1.75	1,900	39.31	1.10
1955	3,307	68.88	1.74	3,473	72.14	1.81	1,973	40.96	1.12
1956	3,472	72.39	1.83	3,638	75.53	1.90	2,103	43.67	1.20
1957	3,647	74.26	1.95	3,828	77.42	2.01	2,213	44.72	1.30
Yukon and Northwest Territories:									
1946	2,249								
1948	2,824								
1949	2,502								
1951	2,686								
1952	3,366								
1953	3,331								
1954	3,376								
1955	3,684								
1956	3,931								
1957	3,999								
Not available									

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-57

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
Foods and beverages:									
1946	1,389	29.15	0.66	1,574	33.09	0.72	869	18.27	0.47
1948	1,718	36.56	0.83	1,945	41.68	0.91	1,064	22.31	0.59
1949	1,817	38.45	0.87	2,046	43.98	0.95	1,140	24.51	0.62
1951	2,113	44.79	1.03	2,371	50.67	1.13	1,370	29.29	0.75
1952	2,285	47.75	1.11	2,564	54.36	1.22	1,467	31.12	0.80
1953	2,393	49.47	1.16	2,687	56.52	1.28	1,537	32.31	0.83
1954	2,482	50.17	1.20	2,786	57.20	1.32	1,577	32.40	0.86
1955	2,570	51.88	1.24	2,882	59.16	1.36	1,654	33.96	0.89
1956	2,695	54.51	1.30	3,023	62.35	1.44	1,750	36.12	0.94
1957	2,853	56.69	1.39	3,186	64.16	1.52	1,835	36.98	1.00
Tobacco and tobacco products:									
1946	1,168	23.85	0.56	1,468	30.06	0.66	995	20.37	0.49
1948	1,717	35.53	0.84	2,105	44.15	0.98	1,488	31.23	0.76
1949	1,882	38.63	0.89	2,258	46.74	1.03	1,662	34.42	0.81
1951	2,279	51.75	1.25	2,657	60.49	1.38	2,030	46.24	1.16
1952	2,526	50.96	1.25	2,975	60.24	1.41	2,231	45.18	1.14
1953	2,580	52.43	1.30	3,025	61.69	1.48	2,305	46.99	1.18
1954	2,703	56.28	1.39	3,113	64.82	1.54	2,441	50.85	1.29
1955	2,849	57.14	1.42	3,282	66.30	1.60	2,567	51.84	1.31
1956	2,890	58.82	1.49	3,422	70.10	1.69	2,560	52.43	1.37
1957	3,088	60.75	1.57	3,593	70.95	1.76	2,777	54.84	1.46
Rubber products:									
1946	1,567	36.78	0.82	1,769	41.09	0.90	1,031	23.96	0.57
1948	2,108	45.22	1.04	2,338	49.84	1.13	1,481	31.17	0.76
1949	2,138	43.36	1.03	2,353	47.68	1.11	1,520	30.80	0.75
1951	2,622	54.69	1.32	2,861	59.77	1.42	1,848	38.59	0.98
1952	2,858	58.04	1.37	3,117	63.60	1.49	2,039	41.62	1.03
1953	2,981	59.08	1.43	3,259	64.74	1.53	2,102	41.73	1.08
1954	2,992	59.91	1.44	3,237	64.82	1.54	2,133	42.69	1.07
1955	3,154	65.03	1.51	3,434	70.87	1.63	2,191	45.18	1.11
1956	3,338	68.36	1.61	3,647	74.79	1.74	2,217	45.47	1.14
1957	3,464	68.43	1.67	3,757	74.09	1.79	2,374	46.85	1.20
Leather products:									
1946	1,192	25.03	0.59	1,421	29.85	0.68	863	18.11	0.45
1948	1,428	30.22	0.74	1,684	35.57	0.85	1,054	22.28	0.56
1949	1,528	30.84	0.77	1,807	36.39	0.88	1,131	22.77	0.59
1951	1,684	33.61	0.89	1,992	39.71	1.03	1,251	24.95	0.69
1952	1,890	38.38	0.94	2,218	46.04	1.09	1,371	28.45	0.72
1953	1,928	37.90	0.98	2,310	45.27	1.14	1,437	28.18	0.77
1954	1,958	37.87	1.00	2,306	44.48	1.15	1,492	28.78	0.79
1955	2,033	42.04	1.04	2,417	50.00	1.20	1,525	31.54	0.81
1956	2,156	43.37	1.07	2,567	51.92	1.24	1,635	33.06	0.85
1957	2,251	43.18	1.13	2,698	52.00	1.31	1,699	32.54	0.89

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-57 - Continued

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Textile products (except clothing):									
1946	1,271	24.13	0.55	1,453	28.33	0.61	1,019	19.87	0.48
1948	1,707	34.10	0.77	1,946	38.93	0.84	1,349	26.98	0.65
1949	1,830	36.93	0.83	2,068	41.67	0.90	1,458	29.39	0.70
1951	2,046	40.00	0.99	2,292	44.81	1.07	1,627	31.82	0.84
1952	2,223	45.68	1.05	2,477	50.73	1.14	1,788	36.63	0.89
1953	2,278	44.20	1.05	2,545	49.28	1.17	1,825	35.34	0.91
1954	2,348	47.43	1.10	2,629	52.93	1.20	1,861	37.46	0.92
1955	2,423	48.36	1.11	2,702	54.21	1.20	1,905	38.22	0.93
1956	2,491	50.53	1.17	2,807	56.89	1.27	1,951	39.53	0.98
1957	2,590	51.51	1.24	2,891	57.36	1.33	2,053	40.72	1.04
Clothing, including knitting mills:									
1946	1,191	25.38	0.62	1,693	34.54	0.77	972	19.81	0.51
1948	1,465	30.16	0.75	2,065	42.64	1.00	1,198	24.73	0.63
1949	1,542	30.46	0.78	2,170	43.31	1.04	1,261	25.17	0.66
1951	1,691	33.21	0.91	2,383	47.14	1.22	1,380	27.28	0.76
1952	1,812	37.39	0.94	2,579	54.06	1.27	1,473	30.85	0.80
1953	1,886	37.15	0.97	2,667	53.33	1.31	1,547	30.94	0.83
1954	1,897	38.08	0.99	2,655	53.79	1.33	1,566	31.74	0.85
1955	1,940	38.96	0.98	2,725	55.56	1.33	1,613	32.90	0.85
1956	2,049	41.49	1.04	2,915	59.78	1.41	1,705	35.00	0.90
1957	2,093	40.62	1.08	2,927	57.35	1.44	1,768	34.65	0.94
Wood products:									
1946	1,337	30.94	0.69	1,366	31.73	0.70	904	21.02	0.51
1948	1,727	39.16	0.89	1,758	40.00	0.91	1,199	27.30	0.67
1949	1,836	40.40	0.92	1,869	41.20	0.93	1,256	27.69	0.68
1951	2,136	48.18	1.12	2,166	48.98	1.14	1,525	34.47	0.85
1952	2,279	51.86	1.18	2,312	52.80	1.20	1,637	37.36	0.91
1953	2,399	53.40	1.22	2,435	54.36	1.24	1,717	38.35	0.95
1954	2,484	54.52	1.26	2,521	55.41	1.28	1,787	39.29	0.98
1955	2,599	56.38	1.30	2,635	57.29	1.31	1,929	41.94	1.03
1956	2,696	58.22	1.35	2,734	59.19	1.36	2,004	43.38	1.06
1957	2,824	59.34	1.42	2,868	60.38	1.44	2,056	43.29	1.10
Paper products:									
1946	1,835	36.97	0.79	2,004	40.20	0.83	944	18.94	0.46
1948	2,431	49.09	1.04	2,616	52.42	1.09	1,248	24.99	0.61
1949	2,535	49.74	1.06	2,721	53.31	1.11	1,350	26.44	0.63
1951	3,130	63.98	1.38	3,347	67.87	1.44	1,630	33.05	0.81
1952	3,294	64.27	1.43	3,499	67.89	1.49	1,774	34.40	0.83
1953	3,434	66.85	1.53	3,648	70.77	1.61	1,842	35.77	0.89
1954	3,548	69.15	1.62	3,760	72.80	1.69	1,891	36.65	0.94
1955	3,652	72.34	1.68	3,858	76.26	1.77	1,983	39.17	0.96
1956	3,874	76.38	1.80	4,096	80.45	1.88	2,089	41.00	1.03
1957	3,988	77.43	1.89	4,215	81.51	1.98	2,154	41.62	1.08
Printing, publishing and allied industries:									
1946	1,609	34.57	0.82	1,882	40.53	0.94	869	18.71	0.49
1948	2,082	42.90	1.05	2,395	49.52	1.18	1,109	22.94	0.61
1949	2,239	47.19	1.15	2,550	53.59	1.28	1,221	25.66	0.67
1951	2,575	54.24	1.36	2,917	61.87	1.52	1,374	29.11	0.77
1952	2,818	59.64	1.49	3,179	67.84	1.67	1,500	32.00	0.84
1953	3,058	63.10	1.58	3,446	71.65	1.76	1,637	34.06	0.90
1954	3,179	66.24	1.65	3,577	74.85	1.84	1,688	35.35	0.92
1955	3,343	69.35	1.73	3,752	78.17	1.92	1,756	36.61	0.96
1956	3,496	72.78	1.80	3,916	82.19	2.01	1,848	38.83	1.02
1957	3,656	74.84	1.89	4,091	84.27	2.10	1,919	39.50	1.07
Iron and steel products:									
1946	1,731	36.87	0.82	1,940	37.89	0.84	1,133	22.11	0.53
1948	2,257	46.64	1.04	2,305	47.61	1.06	1,443	29.83	0.72
1949	2,401	48.05	1.10	2,445	48.94	1.12	1,597	31.96	0.77
1951	2,833	58.86	1.39	2,886	59.95	1.40	1,885	39.16	0.98
1952	3,109	63.09	1.47	3,159	64.05	1.49	2,088	42.35	1.06
1953	3,267	65.02	1.54	3,322	66.10	1.57	2,222	44.20	1.12
1954	3,275	65.75	1.58	3,330	66.82	1.60	2,258	45.33	1.17
1955	3,501	70.83	1.66	3,558	71.76	1.68	2,359	47.59	1.19
1956	3,723	74.85	1.76	3,785	76.08	1.79	2,441	49.05	1.25
1957	3,861	75.55	1.86	3,921	76.75	1.88	2,572	50.32	1.32
Transportation equipment:									
1946	1,897	39.85	0.94	1,921	40.45	0.95	1,187	24.99	0.62
1948	2,419	48.90	1.13	2,442	49.33	1.14	1,687	34.07	0.84
1949	2,465	50.54	1.18	2,494	51.08	1.19	1,706	34.93	0.88
1951	2,867	58.18	1.38	2,895	58.66	1.39	2,096	42.45	1.10
1952	3,095	64.13	1.52	3,127	64.66	1.53	2,201	45.51	1.18
1953	3,406	65.45	1.57	3,438	66.11	1.58	2,444	47.00	1.23
1954	3,390	67.74	1.64	3,419	68.37	1.65	2,523	50.46	1.32
1955	3,488	67.82	1.67	3,523	68.45	1.69	2,537	49.28	1.28
1956	3,683	72.75	1.78	3,718	73.43	1.80	2,703	53.40	1.37
1957	3,812	75.59	1.88	3,848	76.31	1.90	2,728	54.09	1.46

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-57 - Concluded

Group and year	All production workers			Male workers			Female workers		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Non-ferrous metal products:									
1946	1,713	35.51	0.81	1,833	37.78	0.85	1,014	20.90	0.51
1948	2,251	45.26	1.03	2,350	47.45	1.07	1,349	27.23	0.67
1949	2,419	48.26	1.09	2,521	50.26	1.13	1,437	28.63	0.69
1951	2,866	57.56	1.38	2,979	59.68	1.42	1,618	32.40	0.81
1952	3,131	62.35	1.48	3,250	64.52	1.53	1,771	35.18	0.86
1953	3,277	64.43	1.55	3,399	66.59	1.60	1,852	36.30	0.91
1954	3,417	66.61	1.60	3,533	68.75	1.64	1,922	37.43	0.94
1955	3,557	70.02	1.67	3,678	72.41	1.72	1,986	39.13	0.96
1956	3,737	72.51	1.74	3,859	74.82	1.79	2,041	39.57	0.98
1957	3,939	77.14	1.88	4,072	79.79	1.94	2,024	39.68	1.02
Electrical apparatus and supplies:									
1946	1,523	32.39	0.77	1,711	36.34	0.85	1,148	24.38	0.61
1948	2,125	44.06	1.05	2,319	48.01	1.13	1,614	33.42	0.85
1949	2,288	46.10	1.10	2,493	50.38	1.18	1,740	35.18	0.87
1951	2,673	56.03	1.35	2,932	61.24	1.44	1,982	41.41	1.07
1952	2,929	59.28	1.41	3,181	64.59	1.51	2,201	44.67	1.11
1953	2,994	60.65	1.45	3,298	67.24	1.58	2,259	46.05	1.15
1954	3,150	60.62	1.48	3,450	66.81	1.61	2,415	46.75	1.18
1955	3,169	63.35	1.50	3,529	71.75	1.65	2,368	48.15	1.20
1956	3,406	67.73	1.62	3,786	75.52	1.77	2,503	49.89	1.27
1957	3,508	67.11	1.66	3,882	74.57	1.81	2,578	49.52	1.29
Non-metallic mineral products:									
1946	1,547	32.78	0.71	1,614	34.11	0.73	1,039	21.97	0.52
1948	2,080	43.20	0.93	2,138	44.46	0.95	1,443	30.00	0.70
1949	2,193	45.22	0.98	2,252	46.45	1.00	1,540	31.10	0.74
1951	2,616	54.77	1.22	2,699	56.31	1.24	1,646	34.33	0.85
1952	2,842	58.27	1.29	2,931	60.20	1.32	1,750	35.94	0.89
1953	2,990	60.28	1.36	3,084	62.26	1.39	1,884	38.03	0.93
1954	3,125	64.03	1.43	3,205	65.57	1.46	2,045	41.84	1.03
1955	3,198	66.44	1.48	3,271	68.06	1.50	2,113	43.97	1.09
1956	3,413	69.08	1.56	3,484	70.61	1.59	2,310	46.83	1.17
1957	3,550	70.36	1.63	3,628	72.16	1.66	2,322	46.18	1.19
Products of petroleum and coal:									
1946	1,891	37.88	0.90	1,898	38.01	0.91	1,044	—	—
1948	2,435	50.14	1.19	2,445	50.18	1.19	1,345	—	—
1949	2,602	52.54	1.25	2,613	52.58	1.26	1,435	—	—
1951	3,172	67.15	1.62	3,181	67.32	1.63	1,750	—	—
1952	3,595	72.33	1.74	3,607	72.50	1.75	1,984	—	—
1953	3,729	76.96	1.85	3,739	77.17	1.85	2,056	—	—
1954	3,811	78.58	1.89	3,821	78.78	1.89	2,102	—	—
1955	3,964	81.44	1.96	3,974	81.71	1.97	2,186	—	—
1956	4,280	83.83	2.07	4,292	84.21	2.07	2,365	—	—
1957	4,741	92.48	2.23	4,754	92.86	2.24	2,615	—	—
Chemicals and allied products:									
1946	1,564	32.46	0.73	1,773	35.97	0.79	954	19.35	0.47
1948	2,029	41.05	0.93	2,227	45.03	1.00	1,223	24.72	0.61
1949	2,194	43.28	0.98	2,404	47.40	1.05	1,334	26.32	0.65
1951	2,612	52.78	1.24	2,845	57.03	1.32	1,579	31.64	0.80
1952	2,827	56.56	1.34	3,073	61.20	1.43	1,718	34.21	0.86
1953	2,995	58.72	1.39	3,255	63.57	1.48	1,823	35.63	0.90
1954	3,090	60.44	1.46	3,345	65.46	1.56	1,920	37.56	0.96
1955	3,217	63.20	1.52	3,478	68.31	1.63	1,994	39.23	1.00
1956	3,383	67.08	1.62	3,650	72.19	1.72	2,110	41.70	1.06
1957	3,644	71.61	1.75	3,937	76.96	1.86	2,197	42.92	1.11
Miscellaneous industries:									
1946	1,291	26.94	0.63	1,600	30.91	0.70	1,006	19.43	0.47
1948	1,652	33.84	0.80	1,920	39.33	0.90	1,244	25.49	0.63
1949	1,718	35.14	0.82	2,006	41.38	0.93	1,292	26.66	0.66
1951	2,063	41.63	1.00	2,411	48.93	1.13	1,529	31.01	0.79
1952	2,186	44.05	1.04	2,574	52.98	1.20	1,555	32.00	0.80
1953	2,343	47.47	1.12	2,760	56.37	1.29	1,673	34.17	0.85
1954	2,455	48.74	1.16	2,884	57.31	1.33	1,742	34.64	0.86
1955	2,489	49.76	1.17	2,930	59.57	1.35	1,735	35.29	0.87
1956	2,648	52.06	1.22	3,118	62.73	1.43	1,852	37.26	0.92
1957	2,737	53.77	1.31	3,203	63.81	1.51	1,935	38.54	0.98

Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees. - Annual earnings of male office employees in 1957 averaged \$5,205, weekly earnings \$104.63 and hourly earnings \$2.68. For female office employees annual earnings averaged \$2,576, weekly earnings \$51.84 and hourly earnings \$1.38. Average annual earnings of all office employees totalled \$4,471 in 1957, an increase of 58 p.c. since 1949. Weekly earnings at \$89.92 were 64 p.c. higher and hourly earnings at \$2.33 were 70 p.c. higher. There were ten groups with average weekly earnings for male office employees of \$100

or more. Products of petroleum and coal with \$134.46 per week paid the highest salaries. Paper products with \$124.63 came second, followed by non-ferrous metal smelting and refining with \$113.43, tobacco and tobacco products \$112.78, chemicals and allied products \$109.75, transportation equipment \$107.45, iron and steel products \$104.50, electrical apparatus and supplies \$103.91, non-metallic mineral products \$102.27, and miscellaneous industries \$100.92. The leather products group paid the lowest salaries of \$88.85. In the case of female office employees there were nine groups with average weekly salaries

of \$50 or more. Female employees in the tobacco and tobacco products group received the highest salary of \$63.24, displacing the products of petroleum and coal group which was in first place in 1956. In second place in 1957 was the products of petroleum and coal group with \$62.30, followed by paper products with \$56.60, transportation equipment \$55.81, chemicals and allied products \$55.68, non-ferrous metal products

\$53.40, electrical apparatus and supplies \$52.92, non-metallic mineral products \$51.74 and iron and steel products \$51.37. In the case of females, too, the leather products group had the lowest weekly salary of \$44.03.

The following table gives weekly and hourly earnings of male and female office employees for each province and major industrial group for the year 1957.

Average Weekly and Hourly Earnings of Male and Female Administrative and Office Employees by Provinces and Industrial Groups, 1957

Province and industrial group	Male earnings		Female earnings	
	Weekly	Hourly	Weekly	Hourly
dollars				
Province				
Newfoundland	95.80	2.33	46.16	1.18
Prince Edward Island	74.79	1.78	34.66	0.84
Nova Scotia	89.06	2.20	41.16	1.09
New Brunswick	87.44	2.16	41.58	1.09
Quebec	102.24	2.64	51.59	1.38
Ontario	107.75	2.77	52.91	1.41
Manitoba	88.89	2.24	44.45	1.16
Saskatchewan	88.61	2.23	47.50	1.23
Alberta	98.54	2.48	50.50	1.32
British Columbia	107.62	2.77	51.79	1.36
Canada	104.63	2.68	51.84	1.38
Industrial group				
Foods and beverages	93.85	2.38	49.48	1.31
Tobacco and tobacco products	112.78	2.99	63.24	1.70
Rubber products	95.90	2.42	49.30	1.28
Leather products	88.85	2.22	44.03	1.19
Textile products (except clothing)	98.82	2.52	47.73	1.27
Clothing, including knitting mills	94.45	2.36	48.00	1.28
Wood products	94.69	2.32	47.13	1.25
Paper products	124.63	3.31	56.60	1.54
Printing, publishing and allied industries	95.81	2.53	49.20	1.32
Iron and steel products	104.50	2.69	51.37	1.36
Transportation equipment	107.45	2.69	55.81	1.45
Non-ferrous metal products	113.43	2.97	53.40	1.44
Electrical apparatus and supplies	103.91	2.66	52.92	1.39
Non-metallic mineral products	102.27	2.57	51.74	1.38
Products of petroleum and coal	134.46	3.63	62.30	1.73
Chemicals and allied products	109.75	2.90	55.68	1.48
Miscellaneous industries	100.92	2.60	49.89	1.34

TABLE 38. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, 1946-57¹

Year	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
dollars									
1946	2,270	43.85	1.07	2,680	53.21	1.27	1,305	25.91	0.66
1947	2,484	49.78	1.23	2,933	60.21	1.46	1,396	28.68	0.74
1948	2,687	52.91	1.31	3,147	63.47	1.54	1,551	31.26	0.81
1949	2,836	54.85	1.37	3,317	65.37	1.60	1,655	32.62	0.85
1950	2,998	58.74	1.48	3,507	69.35	1.73	1,739	34.38	0.90
1951	3,296	65.98	1.67	3,852	77.55	1.94	1,907	38.42	1.01
1952	3,513	70.75	1.80	3,985	82.60	2.07	2,323	41.26	1.09
1953	3,707	73.87	1.89	4,327	86.43	2.19	2,159	43.13	1.14
1954	3,854	77.81	2.00	4,499	90.99	2.31	2,227	45.00	1.19
1955	3,990	80.57	2.06	4,636	93.50	2.36	2,332	47.02	1.24
1956	4,222	85.23	2.19	4,918	99.05	2.51	2,449	49.31	1.30
1957	4,471	89.92	2.33	5,205	104.63	2.68	2,576	51.84	1.38

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1957 to the last week in October. Annual earnings are calculated. See text on pages 84 and 85.

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-57

Year and province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Newfoundland:									
1950	1,921	54.95	1.29	2,087	63.33	1.47	868	26.55	0.67
1951	2,383	62.04	1.44	2,604	70.71	1.63	1,135	30.80	0.73
1952	2,345	62.62	1.47	2,529	71.47	1.66	1,275	31.55	0.76
1953	2,403	68.54	1.64	2,620	78.07	1.86	1,554	34.44	0.84
1954	2,687	71.39	1.75	2,922	80.34	1.96	1,365	37.55	0.94
1955	2,793	73.59	1.78	3,028	81.87	1.97	1,475	39.85	0.98
1956	3,052	77.97	1.91	3,307	87.32	2.14	1,591	42.00	1.04
1957	3,031	85.90	2.16	3,271	95.80	2.33	1,577	46.16	1.18
Prince Edward Island:									
1950	1,571	40.35	0.98	1,747	48.55	1.19	896	24.92	0.61
1951	1,715	46.90	1.08	1,918	55.98	1.26	917	26.75	0.65
1952	1,909	49.63	1.20	2,117	59.33	1.42	1,050	29.40	0.72
1953	2,009	53.69	1.33	2,260	64.81	1.58	1,087	31.15	0.79
1954	1,990	50.04	1.24	2,241	58.50	1.43	1,172	30.60	0.77
1955	2,115	55.82	1.36	2,358	65.59	1.59	1,221	33.96	0.84
1956	2,261	54.90	1.35	2,562	66.64	1.62	1,196	31.11	0.78
1957	2,307	63.27	1.51	2,618	74.79	1.78	1,212	34.66	0.84
Nova Scotia:									
1946	1,788	39.89	0.93	2,020	46.36	1.06	1,026	23.54	0.58
1948	2,036	48.42	1.16	2,292	56.49	1.33	1,107	27.29	0.68
1949	2,179	50.47	1.25	2,455	59.45	1.45	1,169	28.29	0.71
1951	2,500	58.43	1.40	2,821	67.83	1.60	1,329	31.95	0.80
1952	2,653	60.30	1.43	2,936	68.54	1.59	1,691	34.74	0.87
1953	2,775	62.82	1.55	3,122	72.01	1.76	1,539	35.48	0.91
1954	2,861	65.91	1.55	3,228	76.73	1.84	1,498	35.64	0.92
1955	2,993	66.43	1.62	3,372	76.48	1.82	1,669	37.88	0.99
1956	3,267	71.00	1.75	3,729	82.64	2.00	1,764	39.06	1.02
1957	3,384	76.14	1.91	3,883	89.06	2.20	1,794	41.16	1.09
New Brunswick:									
1946	1,879	40.33	0.93	2,165	48.25	1.09	1,018	22.68	0.55
1948	2,204	46.70	1.09	2,516	55.94	1.28	1,208	26.86	0.67
1949	2,233	48.42	1.13	2,568	57.64	1.32	1,243	27.88	0.69
1951	2,757	57.65	1.38	3,175	68.64	1.61	1,467	31.72	0.79
1952	2,910	61.83	1.49	3,258	71.50	1.69	1,867	35.44	0.90
1953	3,096	62.96	1.54	3,564	73.48	1.79	1,711	35.25	0.87
1954	3,117	66.18	1.64	3,593	77.96	1.91	1,660	35.98	0.93
1955	3,125	68.26	1.69	3,579	79.35	1.92	1,700	37.70	0.99
1956	3,351	70.98	1.74	3,820	82.30	1.98	1,867	40.69	1.06
1957	3,589	74.46	1.87	4,116	87.44	2.16	1,959	41.58	1.09
Quebec:									
1946	2,298	44.57	1.07	2,667	53.30	1.25	1,334	26.63	0.67
1948	2,699	52.39	1.29	3,119	62.20	1.50	1,581	31.52	0.81
1949	2,812	54.66	1.35	3,256	64.41	1.57	1,670	33.05	0.85
1951	3,241	64.67	1.63	3,769	75.77	1.88	1,858	37.32	0.98
1952	3,482	68.88	1.74	3,929	79.92	2.00	2,310	40.52	1.06
1953	3,670	72.23	1.84	4,260	84.12	2.12	2,143	42.33	1.12
1954	3,827	76.32	1.96	4,432	88.64	2.25	2,243	44.83	1.19
1955	3,959	79.25	2.02	4,578	91.26	2.30	2,344	46.74	1.23
1956	4,141	84.10	2.16	4,790	96.89	2.46	2,443	49.40	1.31
1957	4,407	88.34	2.30	5,100	102.24	2.64	2,576	51.59	1.38
Ontario:									
1946	2,356	43.82	1.08	2,849	54.19	1.31	1,359	25.87	0.66
1948	2,816	53.63	1.35	3,373	65.20	1.61	1,626	31.40	0.82
1949	2,990	55.32	1.39	3,563	66.81	1.65	1,746	32.74	0.86
1951	3,489	67.29	1.73	4,135	79.67	2.02	2,051	39.49	1.04
1952	3,691	72.73	1.87	4,236	85.77	2.17	2,461	42.24	1.12
1953	3,892	75.69	1.96	4,609	89.28	2.28	2,281	44.23	1.18
1954	4,030	79.67	2.05	4,774	93.91	2.40	2,334	45.88	1.22
1955	4,156	82.47	2.13	4,885	96.52	2.46	2,433	48.03	1.27
1956	4,413	87.14	2.25	5,200	102.19	2.61	2,553	50.18	1.33
1957	4,651	92.02	2.39	5,469	107.75	2.77	2,685	52.91	1.41
Manitoba:									
1946	2,090	41.46	0.97	2,432	48.93	1.13	1,182	23.76	0.58
1948	2,563	49.68	1.19	2,981	58.98	1.39	1,404	28.21	0.70
1949	2,729	52.98	1.28	3,150	62.19	1.48	1,534	30.30	0.76
1951	3,050	60.57	1.50	3,519	70.20	1.73	1,756	35.06	0.89
1952	3,219	64.14	1.61	3,638	73.66	1.82	2,114	37.27	0.97
1953	3,419	66.35	1.66	3,955	76.47	1.90	1,966	37.98	0.98
1954	3,525	68.30	1.74	4,083	79.10	1.99	2,050	39.67	1.04
1955	3,632	70.57	1.78	4,203	81.04	2.02	2,114	40.76	1.07
1956	3,797	73.17	1.86	4,398	84.24	2.11	2,190	41.95	1.10
1957	3,965	76.85	1.96	4,608	88.89	2.24	2,304	44.45	1.16
Saskatchewan:									
1946	1,654	38.78	0.90	1,882	46.10	1.06	988	24.20	0.59
1948	1,937	44.90	1.07	2,216	54.52	1.29	1,148	28.25	0.69
1949	2,085	45.18	1.07	2,364	53.23	1.25	1,300	29.30	0.71
1951	2,444	56.35	1.36	2,764	64.97	1.56	1,584	37.25	0.91
1952	2,605	58.08	1.40	2,871	67.22	1.60	1,883	38.11	0.95

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-57 - Concluded

Year and province	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Saskatchewan - Concluded:									
1953	2,809	61.30	1.51	3,167	71.66	1.74	1,774	40.16	1.02
1954	2,925	63.96	1.58	3,305	74.68	1.84	1,844	41.65	1.04
1955	3,065	66.24	1.64	3,472	76.35	1.88	1,951	42.88	1.08
1956	3,358	69.51	1.73	3,817	79.64	1.97	2,160	45.07	1.14
1957	3,641	75.74	1.92	4,149	88.61	2.23	2,224	47.50	1.23
Alberta:									
1946	1,812	39.34	0.92	2,065	46.30	1.06	1,055	23.66	0.57
1948	2,122	48.20	1.13	2,382	55.81	1.29	1,239	29.04	0.71
1949	2,311	51.90	1.23	2,610	60.06	1.40	1,334	30.72	0.76
1951	2,558	62.06	1.50	2,870	71.12	1.71	1,487	36.86	0.92
1952	2,888	67.20	1.66	3,183	76.73	1.88	1,919	40.55	1.03
1953	3,081	69.93	1.75	3,484	79.64	1.97	1,840	42.05	1.08
1954	3,240	74.38	1.85	3,685	85.34	2.11	1,857	43.04	1.10
1955	3,313	75.60	1.90	3,755	86.18	2.13	1,900	43.61	1.13
1956	3,672	80.71	2.02	4,161	91.71	2.28	2,122	46.77	1.20
1957	4,033	86.65	2.20	4,593	98.54	2.48	2,352	50.50	1.32
British Columbia:									
1946	2,200	46.59	1.11	2,499	54.10	1.28	1,264	27.36	0.67
1948	2,522	56.38	1.39	2,835	65.16	1.59	1,451	33.40	0.85
1949	2,758	57.91	1.43	3,133	66.92	1.64	1,579	33.73	0.85
1951	3,174	71.10	1.78	3,606	81.66	2.03	1,767	40.03	1.02
1952	3,414	74.54	1.88	3,785	84.76	2.12	2,131	42.00	1.10
1953	3,609	78.41	1.99	4,075	89.70	2.26	1,993	43.84	1.14
1954	3,796	81.81	2.08	4,305	93.83	2.36	2,075	45.22	1.18
1955	4,079	85.00	2.16	4,618	97.12	2.44	2,258	47.53	1.24
1956	4,265	89.54	2.28	4,900	102.47	2.60	2,372	49.61	1.30
1957	4,576	93.93	2.43	5,223	107.62	2.77	2,512	51.79	1.36

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-57

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Foods and beverages:									
1946	1,990	41.33	0.98	2,314	49.90	1.16	1,141	24.62	0.61
1948	2,384	52.01	1.26	2,792	62.62	1.47	1,348	30.24	0.77
1949	2,518	52.31	1.27	2,930	62.27	1.48	1,490	31.64	0.80
1951	2,941	61.78	1.53	3,406	71.15	1.73	1,785	37.29	0.95
1952	3,103	64.68	1.60	3,500	73.74	1.79	2,145	39.65	1.03
1953	3,325	68.37	1.71	3,856	78.32	1.93	2,044	41.55	1.08
1954	3,476	70.78	1.78	4,027	81.40	2.03	2,122	42.87	1.12
1955	3,566	73.42	1.84	4,119	83.50	2.06	2,204	44.67	1.17
1956	3,722	76.93	1.93	4,307	87.51	2.17	2,317	47.08	1.23
1957	3,914	81.45	2.09	4,549	93.85	2.38	2,397	49.48	1.31
Tobacco and tobacco products:									
1946	2,371	39.94	0.97	2,913	51.45	1.22	1,424	25.17	0.62
1948	2,863	52.47	1.31	3,412	64.94	1.59	1,836	34.92	0.89
1949	3,109	54.17	1.35	3,667	65.26	1.61	2,057	36.63	0.93
1951	3,665	66.73	1.79	4,390	78.21	2.09	2,379	42.41	1.15
1952	3,922	68.33	1.82	4,408	78.96	2.09	3,055	47.34	1.27
1953	4,351	73.72	1.98	5,149	86.27	2.31	2,890	49.05	1.32
1954	4,565	79.50	2.11	5,410	93.84	2.48	3,078	53.44	1.44
1955	4,732	84.12	2.23	5,556	98.20	2.58	3,211	56.74	1.52
1956	4,954	85.50	2.26	5,840	101.57	2.68	3,230	56.19	1.49
1957	5,166	94.84	2.52	6,080	112.78	2.99	3,411	63.24	1.70
Rubber products:									
1946	2,289	44.97	1.11	2,776	54.64	1.34	1,280	25.17	0.64
1948	2,800	51.84	1.32	3,333	61.95	1.56	1,606	29.88	0.78
1949	2,974	53.70	1.37	3,491	63.53	1.60	1,697	30.90	0.81
1951	3,361	63.90	1.67	3,926	74.59	1.94	1,967	37.40	0.98
1952	3,572	67.63	1.75	3,999	78.53	2.01	2,415	40.87	1.08
1953	3,632	71.04	1.83	4,210	82.25	2.10	2,143	41.84	1.10
1954	3,977	74.07	1.89	4,630	85.57	2.17	2,371	43.80	1.15
1955	4,056	75.13	1.93	4,732	86.67	2.21	2,399	43.95	1.15
1956	4,231	79.77	2.06	4,946	92.31	2.36	2,518	46.94	1.23
1957	4,638	83.04	2.11	5,426	95.90	2.42	2,789	49.30	1.28

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-1957 - Continued

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Leather products:									
1946	2,398	37.93	0.88	2,795	45.12	1.01	1,465	23.66	0.59
1948	2,898	47.20	1.14	3,409	56.83	1.34	1,684	28.08	0.72
1949	3,033	48.95	1.18	3,533	57.94	1.36	1,819	29.86	0.76
1951	3,264	56.30	1.40	3,795	66.47	1.61	1,958	34.33	0.90
1952	3,396	58.74	1.45	3,864	69.22	1.68	2,326	35.35	0.92
1953	3,623	61.71	1.55	4,256	73.25	1.80	2,162	37.24	0.98
1954	3,674	64.44	1.63	4,339	77.23	1.91	2,187	38.96	1.03
1955	3,782	66.17	1.66	4,473	78.49	1.92	2,268	39.81	1.05
1956	3,943	68.91	1.74	4,662	81.65	2.02	2,401	42.06	1.11
1957	4,207	73.62	1.88	5,029	88.85	2.22	2,494	44.03	1.19
Textile products (except clothing):									
1946	2,675	48.08	1.16	3,338	59.30	1.39	1,522	27.07	0.69
1948	3,111	53.32	1.30	3,856	66.48	1.58	1,742	30.02	0.77
1949	3,199	53.69	1.31	3,884	65.47	1.56	1,864	31.46	0.80
1951	3,655	65.41	1.64	4,465	79.67	1.97	2,063	36.78	0.96
1952	3,700	68.65	1.74	4,313	82.79	2.07	2,480	39.50	1.03
1953	3,951	70.73	1.78	4,635	84.77	2.09	2,234	40.87	1.07
1954	3,951	72.94	1.86	4,796	88.28	2.21	2,269	41.80	1.10
1955	4,027	75.10	1.87	4,874	88.74	2.17	2,354	42.83	1.12
1956	4,209	78.29	2.00	5,070	92.79	2.34	2,454	44.89	1.19
1957	4,402	82.62	2.14	5,305	98.82	2.52	2,562	47.73	1.27
Clothing including knitting mills:									
1946	2,580	38.00	0.92	3,124	47.65	1.12	1,646	25.13	0.63
1948	3,004	45.97	1.12	3,691	58.76	1.39	1,897	30.22	0.77
1949	3,132	48.04	1.18	3,817	60.25	1.45	2,031	32.08	0.82
1951	3,375	57.54	1.46	4,157	72.45	1.79	2,116	36.85	0.96
1952	3,561	60.73	1.54	4,136	76.11	1.89	2,639	38.74	1.01
1953	3,674	62.41	1.58	4,541	78.81	1.94	2,316	40.18	1.05
1954	3,763	66.24	1.68	4,662	84.43	2.09	2,308	41.82	1.10
1955	3,859	68.94	1.68	4,742	83.18	2.04	2,471	43.34	1.12
1956	4,103	69.75	1.77	5,066	87.29	2.16	2,634	45.38	1.19
1957	4,372	74.32	1.91	5,424	94.45	2.36	2,755	48.00	1.28
Wood products:									
1946	1,419	42.65	0.98	1,527	50.08	1.11	760	24.92	0.62
1948	1,727	51.99	1.23	1,853	60.46	1.39	917	29.93	0.76
1949	1,905	54.15	1.28	2,038	62.56	1.44	1,015	31.14	0.79
1951	2,250	64.48	1.55	2,407	74.34	1.75	1,204	37.16	0.96
1952	2,366	67.77	1.63	2,505	77.06	1.81	1,435	38.83	1.01
1953	2,534	71.35	1.73	2,717	81.52	1.94	1,342	40.28	1.05
1954	2,597	74.01	1.81	2,788	84.81	2.03	1,374	41.79	1.09
1955	2,879	76.34	1.87	3,094	86.58	2.07	1,572	44.02	1.15
1956	3,140	78.87	1.93	3,396	89.31	2.15	1,715	45.06	1.18
1957	3,261	83.01	2.07	3,539	94.69	2.32	1,762	47.13	1.25
Paper products:									
1946	2,831	52.29	1.28	3,374	62.49	1.50	1,481	27.45	0.70
1948	3,475	62.64	1.56	4,069	73.69	1.81	1,921	34.82	0.90
1949	3,679	65.57	1.64	4,354	77.41	1.92	1,964	34.88	0.91
1951	4,338	79.57	2.05	5,147	93.92	2.39	2,224	40.60	1.07
1952	4,618	83.19	2.17	5,318	97.11	2.51	2,803	43.80	1.17
1953	4,808	87.68	2.31	5,693	102.39	2.67	2,550	45.92	1.24
1954	4,950	93.19	2.47	5,863	109.16	2.88	2,603	48.45	1.31
1955	5,046	95.20	2.53	5,985	111.47	2.93	2,663	49.55	1.34
1956	5,276	101.05	2.69	6,243	117.86	3.13	2,809	53.03	1.44
1957	5,511	107.34	2.87	6,482	124.63	3.31	2,943	56.60	1.54
Printing, publishing and allied industries:									
1946	2,084	37.07	0.93	2,479	45.76	1.13	1,316	24.30	0.62
1948	2,400	43.75	1.12	2,860	53.76	1.36	1,533	28.82	0.75
1949	2,368	46.55	1.20	2,879	57.12	1.46	1,526	30.30	0.80
1951	2,749	57.20	1.50	3,352	69.61	1.81	1,773	36.83	0.97
1952	3,003	61.13	1.61	3,498	74.67	1.97	2,200	38.48	1.02
1953	3,142	63.88	1.71	3,840	78.01	2.09	2,016	40.95	1.11
1954	3,258	67.30	1.79	4,029	83.19	2.20	2,043	42.14	1.13
1955	3,412	68.54	1.82	4,179	84.02	2.22	2,181	43.84	1.18
1956	3,544	74.50	2.00	4,359	91.91	2.45	2,214	46.72	1.26
1957	3,717	77.86	2.07	4,577	95.81	2.53	2,353	49.20	1.32
Iron and steel products:									
1946	2,429	50.14	1.23	2,891	52.88	1.27	1,391	25.43	0.65
1948	2,865	53.41	1.33	3,358	63.09	1.55	1,617	30.35	0.79
1949	3,095	55.77	1.40	3,574	65.17	1.62	1,762	32.13	0.84
1951	3,635	67.65	1.73	4,195	78.15	1.97	2,056	38.30	1.01
1952	3,879	71.71	1.83	4,369	82.53	2.09	2,473	40.62	1.07
1953	3,993	74.88	1.93	4,598	86.02	2.19	2,285	42.71	1.14
1954	4,212	78.30	2.01	4,815	89.57	2.29	2,412	44.88	1.19
1955	4,274	81.53	2.10	4,891	93.18	2.38	2,455	46.77	1.24
1956	4,497	86.51	2.23	5,172	99.50	2.54	2,534	48.75	1.29
1957	4,749	91.31	2.37	5,438	104.50	2.69	2,675	51.37	1.39

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-57 - Concluded

Year and group	All employees			Male employees			Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
	dollars								
Transportation equipment:									
1946	2,574	50.14	1.19	2,981	57.95	1.35	1,446	28.08	0.69
1948	3,087	59.72	1.44	3,494	68.03	1.62	1,768	34.44	0.86
1949	3,277	62.04	1.50	3,713	71.01	1.70	1,827	34.95	0.87
1951	3,733	71.39	1.74	4,214	80.85	1.96	2,162	41.51	1.04
1952	3,909	77.61	1.86	4,346	87.79	2.07	2,516	44.92	1.15
1953	4,301	79.43	1.99	4,876	90.20	2.24	2,482	45.93	1.18
1954	4,391	84.40	2.09	4,954	95.28	2.34	2,507	48.22	1.24
1955	4,553	87.76	2.18	5,074	98.30	2.43	2,633	50.98	1.30
1956	4,744	92.25	2.30	5,292	103.42	2.55	2,752	53.81	1.38
1957	4,987	96.11	2.43	5,559	107.45	2.69	2,885	55.81	1.45
Non-ferrous metal products:									
1946	2,590	47.22	1.14	3,061	57.07	1.35	1,488	27.71	0.69
1948	2,921	57.70	1.41	3,426	68.57	1.64	1,644	32.91	0.84
1949	3,189	60.25	1.47	3,776	71.43	1.71	1,794	33.95	0.88
1951	3,585	73.63	1.86	4,188	85.63	2.13	1,968	40.21	1.06
1952	3,870	78.70	2.02	4,402	90.39	2.29	2,373	42.39	1.12
1953	4,057	80.30	2.04	4,693	93.16	2.34	2,239	44.44	1.18
1954	4,336	85.75	2.21	4,994	97.90	2.50	2,372	46.53	1.24
1955	4,591	86.55	2.24	5,272	99.21	2.54	2,589	48.75	1.31
1956	4,637	91.28	2.38	5,366	104.06	2.69	2,624	50.89	1.36
1957	5,014	99.83	2.63	5,710	113.43	2.97	2,689	53.40	1.44
Electrical apparatus and supplies:									
1946	2,267	45.46	1.15	2,732	54.74	1.37	1,382	27.68	0.72
1948	2,767	52.96	1.36	3,267	62.39	1.59	1,735	33.14	0.87
1949	2,990	55.15	1.41	3,489	64.32	1.64	1,877	34.58	0.90
1951	3,468	64.82	1.67	4,055	75.51	1.92	2,060	38.37	1.02
1952	3,691	70.83	1.84	4,170	81.92	2.11	2,527	42.95	1.14
1953	3,925	75.07	1.95	4,565	87.17	2.25	2,360	45.04	1.19
1954	4,052	78.36	2.02	4,736	90.46	2.31	2,449	46.73	1.23
1955	4,067	83.39	2.15	4,691	95.57	2.44	2,472	50.38	1.32
1956	4,416	88.71	2.27	5,127	102.73	2.61	2,533	50.74	1.32
1957	4,778	90.21	2.33	5,498	103.91	2.66	2,798	52.92	1.39
Non-metallic mineral products:									
1946	2,134	43.29	1.05	2,444	50.47	1.19	1,256	25.96	0.66
1948	2,642	53.45	1.32	3,005	62.03	1.50	1,512	31.22	0.82
1949	2,837	53.94	1.35	3,218	62.87	1.54	1,635	31.96	0.85
1951	3,297	66.34	1.69	3,793	76.94	1.93	1,904	38.61	1.03
1952	3,511	71.45	1.86	3,951	82.48	2.12	2,276	41.15	1.12
1953	3,736	74.31	1.90	4,304	85.84	2.15	2,174	43.36	1.17
1954	3,852	77.54	1.99	4,392	89.31	2.26	2,214	45.01	1.21
1955	4,095	81.04	2.05	4,644	92.20	2.30	2,364	46.97	1.25
1956	4,242	85.90	2.20	4,786	97.73	2.47	2,412	49.22	1.32
1957	4,543	90.08	2.29	5,128	102.27	2.57	2,595	51.74	1.38
Products of petroleum and coal:									
1946	2,412	47.66	1.21	2,747	54.05	1.35	1,338	26.33	0.69
1948	2,925	59.97	1.57	3,258	66.31	1.72	1,753	35.68	0.96
1949	3,100	61.40	1.62	3,490	68.49	1.77	1,769	34.70	0.96
1951	3,662	74.52	1.94	4,147	81.92	2.12	2,161	42.72	1.15
1952	4,092	95.23	2.60	4,620	108.63	2.94	2,504	51.57	1.44
1953	4,217	98.27	2.64	4,881	111.87	2.98	2,309	52.95	1.46
1954	4,265	101.28	2.75	4,944	116.07	3.14	2,309	54.20	1.50
1955	4,458	105.76	2.87	5,148	121.46	3.27	2,322	54.77	1.51
1956	5,217	110.54	3.00	5,975	126.42	3.42	2,731	57.72	1.60
1957	5,411	117.21	3.19	6,217	134.46	3.63	2,878	62.30	1.73
Chemicals and allied products:									
1946	2,386	43.88	1.11	2,946	55.92	1.40	1,426	27.08	0.70
1948	2,801	51.60	1.33	3,394	63.56	1.62	1,731	32.41	0.85
1949	2,883	54.89	1.42	3,481	67.30	1.72	1,782	34.46	0.91
1951	3,379	66.37	1.72	4,061	78.79	2.03	2,079	40.31	1.06
1952	3,626	71.48	1.86	4,205	84.46	2.18	2,527	42.95	1.13
1953	3,808	74.59	1.95	4,581	88.12	2.29	2,336	44.90	1.19
1954	4,083	79.70	2.10	4,929	94.51	2.47	2,460	47.16	1.25
1955	4,206	82.41	2.15	5,034	96.63	2.50	2,582	49.53	1.31
1956	4,509	87.38	2.30	5,405	101.85	2.67	2,789	52.51	1.40
1957	4,728	93.84	2.48	5,654	109.75	2.90	2,867	55.68	1.48
Miscellaneous industries:									
1946	2,298	39.89	0.93	2,797	51.41	1.23	1,393	25.62	0.66
1948	2,580	48.42	1.16	3,148	61.75	1.50	1,587	31.15	0.82
1949	2,816	50.47	1.25	3,435	63.44	1.54	1,700	31.43	0.84
1951	3,246	60.89	1.57	3,960	75.50	1.88	1,925	36.73	0.99
1952	3,436	66.57	1.74	3,962	80.66	2.04	2,413	40.57	1.13
1953	3,733	69.21	1.78	4,053	84.11	2.14	2,027	42.08	1.11
1954	3,681	73.34	1.89	4,464	89.72	2.27	2,210	44.42	1.19
1955	3,900	75.26	1.93	4,713	91.55	2.29	2,338	45.45	1.21
1956	4,078	78.66	2.05	4,889	95.04	2.44	2,484	48.29	1.29
1957	4,364	83.07	2.17	5,245	100.92	2.60	2,591	49.89	1.34

Office Workers and Other Salaried Employees. — A survey of weekly earnings of administrative and office employees, classified into (a) managerial and professional employees and (b) office workers, was undertaken for the first time in 1951 and repeated again in 1954 and 1957. According to Table 41 below average weekly salaries of all office and supervisory employees in 1957 averaged \$89.92. Male employees received \$104.63 and female employees \$51.84. The increase per week since 1951 for all employees totalled \$23.94, for males \$27.08 and for females \$13.42.

The average weekly salary for office workers rose in the six years from \$51.14 to \$67.98, an advance of 32.9 p.c. as compared with 36.3 p.c. for all salaried employees. The average for men classed in the office group increased by \$20.40 to \$81.08 and for women by \$13.03 to \$50.80, representing an advance of 33.6 p.c. and 34.5 p.c. respectively. The upward movement was more pronounced in the durable goods division than in non-durables. Higher earnings for office workers were

reported in 1957 as compared with 1954 in all provinces and industry groups.

The residual group of salaried employees, composed mainly of managerial, professional and related staffs and professional salesmen, comprises a varied group, the composition of which may differ from firm to firm. Its components are affected not only by varying requirements for administrative and professional personnel but also by the extent to which proprietors and firm members (excluded from the survey) undertake such duties, and by the organization of separate sales offices. The managerial and professional employees reported in 1951 averaged \$98.38 per week, the men earned \$99.73 and the women \$57.04. Six years later the averages were \$124.53 for both sexes, \$126.47 for men and \$72.24 for women. All industry groups and provinces reported higher earnings in 1957 as compared with 1954, raising the average salary for both sexes in the managerial and professional group to more than \$100 per week in all provinces and major industrial groups.

TABLE 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, Classified on the basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951, 1954 and 1957¹

Province and group	All salaried employees			Managerial and professional employees			Office workers		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
dollars									
Province, 1951									
Newfoundland	62.04	70.71	30.80	116.20	121.37	--	47.02	52.93	30.19
Prince Edward Island.....	46.90	55.98	26.75	--	--	--	--	--	--
Nova Scotia	58.43	67.83	31.95	88.62	89.34	--	49.00	57.87	31.66
New Brunswick	57.65	68.64	31.72	93.40	93.54	--	44.96	53.97	31.51
Quebec	64.67	75.77	37.32	99.57	101.30	56.35	50.04	58.82	36.54
Ontario	67.29	79.67	39.49	98.81	100.13	57.80	52.02	62.44	38.66
Manitoba	60.57	70.20	35.06	87.91	88.56	--	47.28	55.69	34.53
Saskatchewan	56.35	64.97	37.25	79.53	79.98	--	44.73	51.31	36.97
Alberta	62.06	71.12	36.86	89.23	89.66	--	49.32	57.25	38.48
British Columbia.....	71.10	81.66	40.03	100.95	101.78	59.14	55.75	65.46	39.52
Canada	65.98	77.55	38.42	98.38	99.73	57.04	51.14	60.68	37.77
Industrial group, 1951									
Foods and beverages	61.78	71.15	37.29	86.89	87.54	57.65	48.31	56.49	36.72
Tobacco and tobacco products	66.73	78.21	42.41	87.06	86.56	--	56.47	70.18	41.53
Rubber products	63.90	74.59	37.40	97.48	98.26	--	48.40	56.32	37.09
Leather products	56.30	66.47	34.33	90.22	91.58	--	45.78	53.97	33.56
Textile products (except clothing).....	65.41	79.67	36.78	103.41	105.45	54.65	48.21	58.75	36.08
Clothing, including knitting mills	57.54	72.45	36.85	95.67	99.62	58.38	44.92	55.32	35.55
Wood products	64.48	74.34	37.16	96.70	97.48	59.47	52.56	61.33	36.69
Paper products	79.57	93.92	40.60	125.26	126.91	58.22	56.87	67.67	40.06
Printing, publishing and allied industries	57.20	69.61	36.83	90.05	93.55	54.20	45.02	53.89	35.65
Iron and steel products	67.65	78.15	38.30	101.60	102.32	58.37	53.99	63.14	37.94
Transportation equipment	71.39	80.85	41.51	104.15	104.51	60.71	57.79	66.15	41.32
Non-ferrous metal products	73.63	85.63	40.21	100.99	101.79	57.75	52.87	63.70	39.67
Electrical apparatus and supplies	64.82	75.51	38.37	96.41	97.51	57.99	52.67	62.06	37.83
Non-metallic mineral products	66.34	76.94	38.61	97.87	98.31	--	50.64	59.17	38.24
Products of petroleum and coal	74.52	81.92	42.72	99.87	101.13	--	56.48	63.15	40.72
Chemicals and allied products	66.37	78.79	40.31	93.97	95.77	55.44	47.81	56.55	39.41
Miscellaneous industries.....	60.89	75.50	36.73	95.30	97.11	52.44	45.96	56.66	36.20
Province, 1954									
Newfoundland	71.39	80.34	37.55	112.28	112.78	--	53.32	60.20	37.01
Prince Edward Island.....	50.04	58.50	30.60	--	--	--	--	--	--
Nova Scotia	65.91	76.73	35.64	91.04	91.72	--	50.52	61.35	35.17
New Brunswick	66.18	77.96	35.98	96.48	97.32	--	51.71	62.69	35.61
Quebec	76.32	88.64	44.83	107.42	109.13	64.70	58.24	68.80	43.77
Ontario	79.67	93.91	45.88	112.90	114.38	66.15	60.58	73.22	45.09
Manitoba	68.30	79.10	39.67	96.31	97.38	58.43	53.52	63.35	39.00
Saskatchewan	63.96	74.68	41.65	85.69	86.34	--	50.57	60.27	41.30
Alberta	74.38	85.34	43.04	103.37	103.80	--	57.01	66.81	42.82
British Columbia.....	81.81	93.83	45.22	109.02	110.32	60.56	62.40	74.58	44.51
Canada	77.81	90.99	45.00	109.67	111.14	64.89	59.29	70.94	44.16

See footnotes at end of table.

TABLE 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, Classified on the basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951, 1954 and 1957¹ — Concluded

Province and group	All salaried employees			Managerial and professional employees			Office workers		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
dollars									
Industrial group, 1954									
Foods and beverages	70.78	81.40	42.87	93.93	94.68	59.38	54.81	65.06	42.33
Tobacco and tobacco products	79.50	93.84	53.44	105.52	106.59	--	57.85	68.31	51.06
Rubber products	74.07	85.57	43.80	107.27	107.27	--	55.75	64.87	43.24
Leather products	64.44	77.23	38.96	92.00	95.04	51.60	49.26	59.70	37.94
Textile products (except clothing)	72.94	88.28	41.80	107.28	108.98	60.52	51.19	62.10	40.99
Clothing including knitting mills	66.24	84.43	41.82	96.58	102.45	55.94	48.30	60.88	40.07
Wood products	74.01	84.81	41.79	101.31	101.97	59.23	58.42	66.58	41.36
Paper products	93.19	109.16	48.45	135.11	136.86	67.43	65.42	78.28	47.70
Printing, publishing and allied industries	67.30	83.19	42.14	105.92	108.44	67.64	51.68	63.28	40.92
Iron and steel products	78.30	89.57	44.88	111.19	111.81	67.79	60.52	70.42	44.43
Transportation equipment	84.40	95.28	48.22	119.86	120.40	71.21	69.64	80.01	47.90
Non-ferrous metal products	85.75	97.90	46.53	113.05	114.06	61.79	64.44	77.08	45.96
Electrical apparatus and supplies	78.36	90.46	46.73	111.58	112.43	71.90	63.44	74.58	46.13
Non-metallic mineral products	77.54	89.31	45.01	109.49	110.18	--	58.33	68.21	44.44
Products of petroleum and coal	101.28	116.07	54.20	138.05	142.07	74.81	61.61	69.59	51.13
Chemicals and allied products	79.70	94.51	47.16	107.44	108.94	71.72	56.30	68.97	45.62
Miscellaneous industries	73.34	89.72	44.42	105.69	107.61	62.80	54.06	66.95	43.57
Province, 1957									
Newfoundland	85.90	95.80	46.16	116.66	118.09	--	69.02	78.84	45.64
Prince Edward Island	63.27	74.79	34.66	--	--	--	--	--	--
Nova Scotia	76.14	89.06	41.16	103.77	104.87	--	57.79	70.91	40.71
New Brunswick	74.46	87.44	41.58	108.54	110.19	--	58.28	69.94	40.98
Quebec	88.34	102.24	51.59	123.44	125.91	71.15	67.12	78.83	50.48
Ontario	92.02	107.75	52.91	127.90	129.70	75.16	69.19	83.25	51.88
Manitoba	76.85	88.89	44.45	102.74	104.91	52.88	59.66	71.23	43.90
Saskatchewan	75.74	88.61	47.50	102.38	104.35	--	57.67	68.14	47.15
Alberta	86.65	98.54	50.50	114.94	116.66	61.89	64.97	75.62	49.83
British Columbia	93.93	107.62	51.79	123.64	124.56	79.64	72.11	86.96	50.76
Canada	89.92	104.63	51.84	124.53	126.47	72.24	67.98	81.08	50.80
Industrial group, 1957									
Foods and beverages	81.45	93.85	49.48	106.28	107.49	61.00	62.21	74.21	48.99
Tobacco and tobacco products	94.84	112.78	63.24	119.38	129.52	73.92	69.67	81.83	59.59
Rubber products	83.04	95.90	49.30	115.74	116.78	--	63.80	74.72	49.27
Leather products	73.62	88.85	44.03	106.64	110.11	59.73	54.92	66.73	42.79
Textile products (except clothing)	82.62	98.82	47.73	116.94	119.81	62.73	60.83	74.18	46.75
Clothing including knitting mills	74.32	94.45	48.00	107.17	113.96	64.14	54.76	68.15	46.17
Wood products	83.01	94.69	47.13	112.06	112.76	74.32	62.83	74.02	46.29
Paper products	107.34	124.63	56.60	157.49	159.08	83.71	75.35	88.60	55.69
Printing, publishing and allied industries	77.86	95.81	49.20	111.04	115.00	71.50	58.08	68.67	46.89
Iron and steel products	91.31	104.50	51.37	130.54	131.43	73.13	69.26	80.50	50.87
Transportation equipment	96.11	107.45	55.81	132.29	132.82	84.29	79.84	91.06	55.37
Non-ferrous metal products	99.83	113.43	53.40	132.20	135.14	73.28	72.19	85.51	52.74
Electrical apparatus and supplies	90.21	103.91	52.92	128.65	129.85	78.42	72.59	85.14	52.18
Non-metallic mineral products	90.08	102.27	51.74	122.66	123.62	74.67	67.02	77.65	50.94
Products of petroleum and coal	117.21	134.46	62.30	157.81	160.77	90.81	74.51	86.64	59.46
Chemicals and allied products	93.84	109.75	55.68	124.44	126.11	85.29	64.56	77.34	53.52
Miscellaneous industries	83.07	100.92	49.89	117.56	120.27	62.82	61.48	75.87	49.18

¹ Taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division. The term "Administrative and Office Employees" as used by the annual survey of manufactures corresponds to the term "Salaried Employees" used by the Employment Section of the Labour Division.

-- Number too small to be significant.

Distribution of Employees on the Basis of Weekly Earnings. — Prior to 1950 statistics on the distribution of employees on the basis of weekly earnings were compiled by the Industry and Merchandising Division in the annual census of manufactures. At first only wage-earners were covered and in 1944 salaried employees were also included. In 1946 this phase of manufacturing statistics was transferred to the Employment Section of the Labour Division. The 1950 survey which covered the last pay period in October made available data on the distribution of employees by earnings groups for the first time since

the Census of Manufactures survey in January 1944. The data in the two surveys are not strictly comparable, largely because the earlier surveys included establishments employing less than 15 persons and were conducted for a different period of the year. Also the 1944 survey reflected wartime conditions.

Variation in the provincial distribution of employees by amounts earned are obviously related to pay levels, occupational and sex differences, number of casual and part-time workers, and length of the working week in the more important

industries in each area. Most of the employees in the low-earnings ranges are casually-employed workers, or those who do not work full time in the week. Part-time work is particularly common among women; the 1952 survey showed that 11.9 p.c. of the female production workers reported in manufacturing worked 30 hours or less, as compared with 4.6 p.c. for men. Short-time or casual work is characteristic of such industries as fish processing and fruit and vegetable canning, the duration of employment depending on the immediate availability of materials.

The tremendous change in the level of incomes of factory workers since the war is strikingly illustrated in Table 42. Whereas in 1940 only 3 p.c. of male and none of the female production workers received \$50 or more per week, in 1956 these percentages jumped to 85 and 24 respectively. The

percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male production workers received less than \$30 per week, in 1956 the percentage declined to 3. For female production workers the percentage in these groups declined from 99 to 28.

For office workers information on the distribution by income groups is only available for 1944, 1950, 1953 and 1956. Earnings by office workers, too, advanced to unprecedented heights. The percentage of male office workers receiving \$50 or more per week rose to 92 in 1956 from 39 in 1944, while for females the percentage in 1956 was 46 as compared with none in 1944. Tables 43 and 44 give the distribution by income groups of male and female production workers as well as office workers by provinces and major industrial groups for 1956.

TABLE 42. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-56

Year	Class range											Average weekly earnings
	Under \$10.00	\$10.00 to \$19.99	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	
	per cent											\$
Male wage-earners:												
1934	12	43	32	10	2	1 ²						20.31
1936	10	40	35	11	3	1 ²						20.92
1940	6	29	37	19	6	3 ²						24.82
1944	3	9	25	31	20	9	2	1 ²				34.95
1950 ¹	1	2	5	14	26	28	14	6	2	1	1	50.93
1953 ¹	1	2	2	5	12	21	27	16	7	3	4	62.71
1956 ¹	--	1	2	4	8	14	22	20	13	7	9	70.67
Female wage-earners:												
1934	34	61	4	1	--	--	--	--	--	--	--	11.80
1936	30	65	4	1 ²								12.20
1940	23	68	8	1 ²								13.52
1944	10	45	33	10	2							20.89
1950 ¹	3	16	35	30	12	2	1	--	1	--	--	29.00
1953 ¹	3	9	26	28	20	10	3	1	--	--	--	35.07
1956 ¹	2	7	19	26	22	14	7	2	1	--	--	39.29
Male salaried employees:												
1944	1	6	13	21	20	15	9	15 ²				46.24
1950 ¹	--	1	5	8	13	19	17	12	8	5	12	69.35
1953 ¹	--	--	2	3	7	11	15	14	13	10	25	86.43
1956 ¹	--	--	1	2	5	7	10	12	13	12	38	99.05
Female salaried employees:												
1944	2	31	52	13	2	--	--	--	--	--	--	23.79
1950 ¹	--	4	27	43	19	5	1	1	--	--	--	34.38
1953 ¹	--	2	9	30	34	17	5	2	1	--	--	43.13
1956 ¹	--	1	4	18	31	25	12	5	2	1	1	49.31

¹ Statistics for 1950, 1953 and 1956 are taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division. The terms "wage-earners" and "salaried employees" in the above table correspond to the terms "production and related workers" and "administrative and office" employees in the annual survey of manufactures.

² And over.

--Number too small to be significant.

TABLE 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1956

Province	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male wage-earners:												
Newfoundland	9	7	9	10	12	12	13	9	5	7	7	65.52
Prince Edward Island ¹												47.92
Nova Scotia	3	6	9	17	20	19	13	7	4	2	--	58.19
New Brunswick	2	3	10	18	15	19	14	7	5	5	2	62.65
Quebec	1	3	5	11	17	22	18	10	5	5	3	67.56
Ontario	1	2	2	6	12	21	23	14	8	7	4	73.39
Manitoba	2	1	4	9	18	28	23	8	4	3	--	65.65
Saskatchewan	2	2	3	6	26	22	19	12	5	3	--	65.62
Alberta	1	1	2	7	18	28	22	11	6	3	1	67.96
British Columbia	1	1	2	3	7	26	23	19	9	6	3	75.53
Canada	1	2	4	8	14	22	20	13	7	6	3	70.67
Female wage-earners:												
Newfoundland	51	38	8	2	1	--	--	--	--	--	--	19.12
Prince Edward Island ¹												25.69
Nova Scotia	26	42	23	8	1	--	--	--	--	--	--	25.88
New Brunswick	20	35	26	14	4	1	--	--	--	--	--	29.36
Quebec	10	24	25	21	12	6	1	1	--	--	--	37.46
Ontario	6	14	27	24	17	8	3	1	--	--	--	41.69
Manitoba	9	26	31	18	11	4	1	--	--	--	--	35.76
Saskatchewan	10	18	25	22	16	8	--	1	--	--	--	38.23
Alberta	7	16	20	21	21	11	3	1	--	--	--	42.72
British Columbia	8	12	19	21	20	16	3	1	--	--	--	43.67
Canada	9	19	26	22	14	7	2	1	--	--	--	39.29
Male salaried employees:												
Newfoundland	1	5	7	12	12	7	8	8	9	11	20	87.32
Prince Edward Island ¹												66.64
Nova Scotia	--	1	4	9	13	13	11	13	11	13	12	82.64
New Brunswick	1	2	4	11	14	15	12	10	7	10	14	82.30
Quebec	1	1	3	6	8	11	12	12	10	15	21	96.89
Ontario	--	--	2	4	6	10	12	13	12	18	23	102.19
Manitoba	--	1	4	8	12	16	14	12	10	12	11	84.24
Saskatchewan	--	1	4	10	12	15	14	14	9	11	10	79.64
Alberta	1	1	2	4	9	12	15	14	11	15	16	91.71
British Columbia	--	--	2	3	5	8	11	14	15	20	22	102.47
Canada	--	1	2	5	7	10	12	13	12	17	21	99.05
Female salaried employees:												
Newfoundland	8	17	22	18	17	11	5	2	--	--	--	42.00
Prince Edward Island ¹												31.11
Nova Scotia	2	15	44	23	12	3	1	--	--	--	--	39.06
New Brunswick	2	16	34	27	13	4	3	--	1	--	--	40.63
Quebec	1	7	18	28	24	13	5	2	1	1	--	49.40
Ontario	1	3	16	32	27	13	5	2	1	--	--	50.18
Manitoba	1	8	33	35	15	6	2	--	--	--	--	41.95
Saskatchewan	1	2	25	40	23	6	2	1	--	--	--	45.07
Alberta	1	4	19	39	25	8	3	1	--	--	--	46.77
British Columbia	1	3	16	36	25	11	5	2	1	--	--	49.61
Canada	1	4	18	31	25	12	5	2	1	1	--	49.31

¹ Breakdown by class range not available.

-- Number too small to be significant

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1936

Group	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male wage-earners:												
Foods and beverages	3	3	6	11	19	23	20	8	4	3	--	62.5
Tobacco and tobacco products	2	1	2	4	10	38	23	10	6	4	--	70.1
Rubber products	2	1	2	6	14	19	19	17	10	9	1	74.7
Leather products	4	9	12	19	22	18	10	4	1	1	--	51.9
Textile products (except clothing)	2	3	8	22	27	18	12	5	2	1	--	56.8
Clothing, including knitting mills	3	7	10	15	17	17	12	8	5	5	1	59.7
Wood products	3	3	8	16	20	25	14	6	3	2	--	59.1
Paper products	1	1	2	4	8	20	21	15	11	11	6	80.4
Printing, publishing and allied industries	2	3	6	7	8	9	12	14	11	18	10	82.1
Iron and steel products	--	1	2	4	12	21	22	15	10	8	5	76.0
Transportation equipment	2	3	1	4	11	23	28	12	7	5	4	73.4
Non-ferrous metal products	1	1	2	4	9	19	28	24	8	3	1	74.8
Electrical apparatus and supplies	--	1	2	5	12	23	21	15	9	8	4	75.8
Non-metallic mineral products	1	1	2	6	16	28	21	13	6	5	1	70.6
Products of petroleum and coal	--	--	--	1	3	13	24	24	20	11	4	84.4
Chemicals and allied products	--	1	2	5	14	26	23	16	7	5	1	72.1
Miscellaneous industries	2	3	8	14	20	19	16	10	4	3	1	62.5
All groups	1	2	4	8	14	22	20	13	7	6	3	70.6
Female wage-earners:												
Foods and beverages	15	21	24	19	14	6	1	--	--	--	--	36.7
Tobacco and tobacco products	3	4	6	24	37	21	4	1	--	--	--	52.1
Rubber products	4	8	17	34	25	9	2	1	--	--	--	45.1
Leather products	10	30	33	17	7	2	1	--	--	--	--	33.0
Textile products (except clothing)	5	15	28	33	14	4	1	--	--	--	--	39.3
Clothing, including knitting mills	11	27	29	18	9	4	1	1	--	--	--	35.1
Wood products	7	14	25	21	12	17	3	1	--	--	--	43.1
Paper products	5	14	28	28	16	6	2	1	--	--	--	41.0
Printing, publishing and allied industries	8	18	29	26	11	5	2	1	--	--	--	38.8
Iron and steel products	3	8	17	22	24	18	6	2	--	--	--	49.0
Transportation equipment	4	4	11	20	21	28	8	3	1	--	--	53.4
Non-ferrous metal products	5	19	31	23	14	5	2	1	--	--	--	39.5
Electrical apparatus and supplies	2	6	18	24	28	14	5	2	1	--	--	49.8
Non-metallic mineral products	3	12	14	27	31	11	2	--	--	--	--	46.8
Products of petroleum and coal ¹												
Chemicals and allied products	4	12	25	35	17	5	1	1	--	--	--	41.7
Miscellaneous industries	7	24	34	17	10	6	2	--	--	--	--	37.1
All groups	9	19	26	22	14	7	2	1	--	--	--	39.2

¹ Breakdown by class range not available.

-- Number too small to be significant.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1956 - Concluded

Group	Class range											Average weekly earnings
	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	
	per cent											\$
Male salaried employees:												
Foods and beverages	--	1	3	7	11	14	16	14	10	11	13	87.51
Tobacco and tobacco products	--	--	1	5	7	11	19	13	11	12	21	101.57
Rubber products	--	--	2	5	9	12	14	15	13	13	17	92.31
Leather products	1	2	5	9	12	17	16	11	5	10	12	81.65
Textile products (except clothing)	--	1	3	5	10	13	16	13	9	13	17	92.79
Clothing, including knitting mills	--	3	6	8	10	13	13	10	7	12	18	87.29
Wood products	--	1	2	6	9	13	15	14	11	15	14	89.31
Paper products	--	--	1	3	4	8	10	12	11	16	35	117.86
Printing, publishing and allied industries	2	3	5	7	9	10	10	10	9	16	19	91.91
Iron and steel products	--	1	2	5	7	11	12	13	12	17	20	99.50
Transportation equipment	--	--	1	3	5	8	11	13	14	22	23	103.42
Non-ferrous metal products	--	--	2	3	6	8	10	13	15	20	23	104.06
Electrical apparatus and supplies	--	--	1	4	5	8	12	14	13	19	24	102.73
Non-metallic mineral products	--	--	2	4	7	13	14	14	12	15	19	97.73
Products of petroleum and coal	--	--	1	3	5	5	8	10	11	17	40	126.42
Chemicals and allied products	--	--	2	4	7	11	11	13	12	17	23	101.85
Miscellaneous industries	--	1	2	5	9	12	14	12	10	14	21	95.04
All groups	--	1	2	5	7	10	12	13	12	17	21	99.05
Female salaried employees:												
Foods and beverages	1	6	20	33	24	10	4	1	1	--	--	47.08
Tobacco and tobacco products	1	2	9	17	29	31	7	3	--	--	1	56.19
Rubber products	1	2	22	38	25	9	2	1	--	--	--	46.94
Leather products	2	14	29	28	17	6	3	1	--	--	--	42.06
Textile products (except clothing)	1	6	29	34	18	8	3	1	--	--	--	44.89
Clothing, including knitting mills	2	12	24	24	20	10	4	2	1	1	--	45.38
Wood products	1	8	24	34	19	9	3	1	1	--	--	45.06
Paper products	1	2	12	29	28	17	7	3	1	--	--	53.03
Printing, publishing and allied industries	3	7	24	30	19	9	4	2	1	1	--	46.72
Iron and steel products	1	4	18	34	25	11	4	2	1	--	--	48.75
Transportation equipment	--	2	11	26	31	21	6	2	1	--	--	53.81
Non-ferrous metal products	1	4	14	29	29	13	6	3	1	--	--	50.89
Electrical apparatus and supplies	1	2	17	33	28	12	5	1	1	--	--	50.74
Non-metallic mineral products	1	3	15	39	26	11	3	1	--	1	--	49.22
Products of petroleum and coal	--	1	5	23	32	20	9	4	3	3	--	57.72
Chemicals and allied products	--	2	13	34	28	13	6	2	1	1	--	52.51
Miscellaneous industries	1	4	17	33	28	11	3	2	--	1	--	48.29
All groups	1	4	18	31	25	12	5	2	1	1	--	49.31

-- Number too small to be significant.

Real Earnings of Employees in Recent Years. — When the index number representing the average yearly earnings of production workers is divided by the consumer price index, on the same base, a measure of "real" income is obtained. Index numbers for 1931 to 1957 are given in Table 45. In 1933,

the height of the depression, real earnings were 63.9 on the 1949 base. From then on they rose steadily and stood at 101.5 in 1944, an increase of about 59 p.c. In 1946 real earnings dropped to 94.6 and from then on continued to rise each year. In 1957 the index stood at 129.8.

TABLE 45. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers in the Manufacturing Industries, 1931-57

Year	Payments to production workers	Average number employed	Average yearly earnings	Index numbers (1949 = 100)		
				Average yearly earnings	Consumer price index	Real value of average yearly earnings
	\$	No.	\$			
1931	415,277,895	437,149	950	46.0	67.9	67.7
1932	322,245,926	381,783	844	40.8	61.7	66.1
1933	296,929,878	382,022	777	37.6	58.8	63.9
1934	355,090,929	427,717	830	40.2	59.6	67.4
1935	399,012,697	458,734	870	42.1	59.9	70.3
1936	438,873,377	489,942	896	43.3	61.1	70.9
1937	525,743,562	544,624	965	46.7	63.0	74.1
1938	498,282,208	521,427	956	46.3	63.7	72.7
1939	519,971,819	533,342	975	47.2	63.2	74.7
1940	679,273,104	626,484	1,084	52.4	65.7	79.8
1941	978,525,782	802,234	1,220	59.0	69.6	84.8
1942	1,347,934,049	974,904	1,383	66.9	72.9	91.8
1943	1,598,434,879	1,047,873	1,525	73.8	74.2	99.5
1944	1,611,555,776	1,030,324	1,564	75.7	74.6	101.5
1945	1,427,915,830	928,665	1,538	74.4	75.0	99.2
1946	1,329,811,478	877,150	1,516	73.3	77.5	94.6
1947	1,611,232,166	940,650	1,713	82.9	84.8	97.8
1948	1,876,773,231	957,491	1,960	94.8	97.0	97.7
1949	1,963,462,720	949,656	2,067	100.0	100.0	100.0
1950	2,078,634,086	952,244	2,183	105.6	102.9	102.6
1951	2,459,566,313	1,010,588	2,434	117.8	113.7	103.6
1952	2,713,714,909	1,025,355	2,647	128.1	116.5	110.0
1953	2,940,338,939	1,053,226	2,792	135.1	115.5	117.0
1954	2,821,586,476	989,030	2,853	138.0	116.2	118.8
1955	2,995,267,448	1,010,992	2,963	143.3	116.4	123.1
1956	3,298,666,205	1,051,723	3,136	151.7	118.1	128.5
1957	3,416,226,250	1,045,177	3,269	158.2	121.9	129.8

Percentage of Salaries and Wages to Net Value of Products. — Table 46 shows the relation between salaries and wages paid by manufacturers and the total net value of production or value added by manufacture. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production

of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met.

The percentage of salaries or payments to office workers fluctuate more widely than payments to production workers and has steadily been increasing during the past decade from a low of 10.8 in 1948 to a high of 14.3 in 1957. There was only one

year, viz. 1933, when the percentage was higher than 14.3. The high percentage of 15.1 in 1933 was due to the sharp decline in manufacturing production which was unaccompanied by a corresponding decline in office employment.

The increasing percentage of salaries to value added is due in part to the inclusion of professional and technical employees with salaried workers. With the rapid expansion in manufacturing production during the past decade this type of employment has been increasing rapidly. There is also another factor in the relatively larger increase in office employees. As firms increase in size there is a tendency to perform more and more functions themselves, functions which in the case of smaller firms are performed by independent specialist firms outside the manufacturing field. For example, a firm when it gets larger might decide to do its own selling instead of selling through wholesalers. So without increasing the number of production workers, the office staff would automatically be increased, since now it will include a sales manager and additional clerks for the extra work involved. Other functions such as research, advertising, etc. are increasingly being done

by a firm's own staff which tends to increase the number of administrative and office employees in manufacturing without a corresponding increase in the number of wage-earners or production workers.

Production workers on the other hand can be more readily adjusted to the fluctuations in manufacturing activity and wage levels likewise may be more readily adjusted to the price levels of products, so that the percentage of earnings of production workers to value added has a narrower range than that of office workers. In this case the percentage ranged from a high of 38.0 in 1948 to a low of 34.2 in 1955. In contrast to the percentage of salaries paid to value added which has been increasing during the past decade, the percentage payments to production workers has been declining during the same period. There was an increase of 58.3 p.c. in the number of administrative and office employees as compared with an increase of only 9.2 p.c. for production workers during the period 1948-57. Of the increase in the value added by manufacture since 1948 amounting to \$4,883,297,740, \$2,410,259,809 or 49.4 p.c. was passed along in increased salaries and wages.

TABLE 46. Percentage of Salaries and Wages Paid to the Value Added by Manufacture, Significant Years, 1917-57

	Value added by manufacture ¹	Payments to		Percentages		
		Administrative and office workers	Production workers	Office payments to value added	Production payments to value added	Total payments to value added
		dollars		per cent		
1917	1,281,131,980	85,353,667	412,448,177	6.7	32.2	38.9
1920	1,621,273,348	141,837,361	575,656,515	8.7	35.5	44.2
1921	1,123,694,263	130,094,076	367,305,685	11.6	32.7	44.3
1926	1,305,168,549	142,353,900	483,328,342	10.9	37.0	47.9
1929	1,755,386,937	175,553,710	601,737,507	10.0	34.3	44.3
1933	919,671,181	139,317,946	296,929,878	15.1	32.3	47.4
1937	1,508,924,867	195,983,475	525,743,562	13.0	34.8	47.8
1939	1,531,051,901	217,839,334	519,971,819	14.2	34.0	48.2
1944	4,015,776,010	418,065,594	1,611,555,776	10.4	40.2	50.6
1945	3,564,315,899	417,857,619	1,427,915,830	11.7	40.1	51.8
1946	3,467,004,980	410,875,776	1,329,811,478	11.8	38.4	50.2
1947	4,292,055,802	474,693,800	1,611,232,166	11.0	37.6	48.6
1948	4,938,786,981	532,594,959	1,876,773,231	10.8	38.0	48.8
1949	5,330,566,434	628,427,937	1,963,462,720	11.8	36.8	48.6
1950	5,942,058,229	692,633,349	2,078,634,086	11.6	35.0	46.6
1951	6,940,946,783	816,714,604	2,459,566,313	11.8	35.4	47.2
1952	7,443,533,199	923,905,251	2,713,714,909	12.4	36.5	48.9
1953	7,993,069,351	1,016,679,409	2,940,338,939	12.7	36.8	49.5
1954	7,902,124,137	1,075,101,215	2,821,586,476	13.6	35.7	49.3
1955	8,753,450,496	1,147,142,086	2,995,267,448	13.1	34.2	47.3
1956	9,605,424,579	1,272,025,985	3,298,666,205	13.2	34.4	47.6
1957	9,822,084,726	1,403,401,749	3,416,226,250	14.3	34.8	49.1

¹ Equivalent to "net value of products", see footnote 1, Table 1.

Subsection 6. Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flour-milling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale.

Size as Measured by Gross Value of Products.—While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c. of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929

had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments—a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1944 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total. With increased prices and an expansion in the physical volume of production during 1947 to 1957, establishments with a production of \$1,000,000 or over increased to 3,053 while their contribution to the total output rose to 81 p.c.

TABLE 47. Manufacturing Establishments, Classified According to Gross Value of Products 1929, 1939, 1944 and 1957

Group of gross values	1929 ¹			1939 ²		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	dollars		No.	dollars	
Under \$25,000	14,024	106,735,470	7,611	15,623	120,903,054	7,739
\$ 25,000 but under \$ 50,000	2,802	99,529,725	35,521	2,803	99,558,383	35,519
50,000 " 100,000	2,209	156,308,744	70,760	2,215	156,410,769	70,614
100,000 " 200,000	1,688	237,532,492	140,718	1,584	225,582,130	142,413
200,000 " 500,000	1,519	504,218,217	331,941	1,285	390,626,844	305,990
500,000 " 1,000,000	636	443,597,677	697,481	689	466,441,130	676,983
1,000,000 " 5,000,000	601	1,217,866,089	2,026,400	520	1,091,293,939	2,098,642
5,000,000 and over	118	1,298,198,865	11,001,685	81	923,724,311	11,404,004
Totals and averages	23,597	4,063,987,279	172,225	24,800	3,474,540,560	140,102
	1944			1957 ³		
	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	dollars		No.	dollars	
Under \$25,000	13,942	128,782,147	9,237	13,779	132,484,661	9,615
\$ 25,000 but under \$ 50,000	4,011	143,023,914	35,658	5,102	184,103,978	36,085
50,000 " 100,000	3,442	245,273,500	71,259	4,985	357,826,780	71,781
100,000 " 200,000	2,513	355,235,489	141,359	4,404	626,666,027	142,295
200,000 " 500,000	2,256	714,546,348	316,731	4,347	1,375,174,587	316,350
500,000 " 1,000,000	943	661,670,696	701,666	2,205	1,555,090,715	705,257
1,000,000 " 5,000,000	1,089	2,294,546,053	2,107,021	2,335	4,953,233,872	2,121,299
5,000,000 and over	287	4,530,614,372	15,786,113	718	12,999,013,691	18,104,476
Totals and averages	28,483	9,073,692,519	318,565	37,875	22,183,594,311	585,705

¹ Includes central electric stations and dyeing, cleaning and laundry establishments.

² Exclusive of Yukon and the Northwest Territories.

³ The figures for 1957 are "value of factory shipments" and not "production". They also include Newfoundland.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1957

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Canada:						
Under \$10,000	7,899	10,621	11,476,621	1,240,203	16,067,264	34,865,449
\$ 10,000 to \$ 24,999	5,880	17,572	32,937,979	2,944,058	44,216,534	97,618,212
25,000 " 49,999	5,102	27,355	60,489,548	5,003,424	88,022,807	184,103,978
50,000 " 99,999	4,985	44,170	111,258,244	8,828,229	177,146,974	357,826,780
100,000 " 199,999	4,404	63,644	175,240,994	13,598,269	328,948,365	626,666,027
200,000 " 499,999	4,347	125,835	367,539,098	24,734,446	723,198,775	1,375,174,587
500,000 " 999,999	2,205	129,813	398,433,109	27,270,732	822,344,457	1,555,090,715
1,000,000 " 4,999,999	2,335	348,904	1,174,093,050	92,193,404	2,580,239,428	4,953,233,872
5,000,000 and over	718	573,522	2,388,374,911	379,479,223	7,119,945,099	12,999,013,691
Head offices ¹	—	17,625	99,784,445	19,800	622,000	—
Totals	37,875	1,359,061	4,819,627,999	555,311,788	11,900,751,703	22,183,594,311

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1957 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number					
Foods and beverages:						
Under \$10,000	921	1,407	1,363,769	264,311	2,289,488	4,547,828
\$ 10,000 to \$ 24,999	1,297	3,553	5,673,118	1,030,534	12,337,060	22,042,911
25,000 " 49,999	1,332	5,863	11,361,010	1,986,408	30,201,721	48,559,178
50,000 " 99,999	1,469	9,384	20,218,093	3,546,994	68,864,277	106,043,148
100,000 " 199,999	1,316	12,096	28,869,521	5,324,961	127,327,408	186,596,214
200,000 " 499,999	1,039	19,025	50,432,544	7,825,973	217,379,406	322,960,070
500,000 " 999,999	495	20,912	58,715,728	7,488,406	220,608,445	350,979,432
1,000,000 " 4,999,999	515	55,824	175,182,975	19,718,413	687,213,888	1,114,054,160
5,000,000 and over	152	62,713	230,903,378	19,774,611	1,337,533,753	2,016,188,351
Head offices ¹	—	1,400	7,304,979	19,800	622,000	—
Totals	8,536	192,177	590,025,115	66,980,411	2,704,377,446	4,171,971,292
Tobacco and tobacco products:						
Under \$10,000	14	25	34,359	6,029	35,119	85,633
\$ 10,000 to \$ 24,999	2					
25,000 " 49,999	3	38	82,493	6,828	96,528	193,726
50,000 " 99,999	1					
100,000 " 199,999	2	117	242,304	13,365	478,793	848,999
200,000 " 499,999	2					
500,000 " 999,999	7	408	991,464	41,461	3,266,307	4,940,890
1,000,000 " 4,999,999	6					
5,000,000 and over	12	9,314	31,963,801	776,931	156,833,675	243,665,108
Head office ¹	—	3	8,400	—	—	—
Totals	49	9,905	33,322,821	844,614	160,710,422	249,734,356
Rubber products:						
Under \$10,000	6	12	16,079	1,665	8,705	34,384
\$ 10,000 to \$ 24,999	8	28	55,156	2,694	45,944	139,912
25,000 " 49,999	6	29	84,305	6,811	92,138	204,826
50,000 " 99,999	6	38	109,729	11,804	211,519	436,636
100,000 " 199,999	5	85	193,841	12,822	379,868	703,980
200,000 " 499,999	15	522	1,719,471	116,592	2,053,577	5,319,518
500,000 " 999,999	8	474	1,390,098	102,766	3,053,659	5,455,359
1,000,000 " 4,999,999	16	3,253	9,841,781	788,875	17,468,342	38,658,041
5,000,000 and over	18	17,737	69,779,120	3,917,495	120,933,016	275,138,652
Totals	88	22,178	83,189,580	4,961,524	144,246,768	326,091,308
Leather products:						
Under \$10,000	66	100	143,854	12,269	166,776	377,804
\$ 10,000 to \$ 24,999	70	198	361,086	24,116	503,706	1,064,342
25,000 " 49,999	54	380	695,018	32,892	928,487	1,824,874
50,000 " 99,999	96	1,118	2,446,445	129,614	3,390,429	7,058,479
100,000 " 199,999	79	1,861	4,172,396	129,614	5,772,670	11,826,870
200,000 " 499,999	120	5,796	13,585,785	362,010	19,321,176	39,206,359
500,000 " 999,999	70	6,801	15,428,988	381,020	24,612,787	47,067,246
1,000,000 " 4,999,999	68					
5,000,000 and over	1	14,845	40,934,911	1,328,548	67,833,510	130,263,127
Totals	624	31,099	77,768,483	2,344,793	122,529,541	238,789,101
Textile mills:						
Under \$10,000	89	143	205,500	18,145	148,160	448,407
\$ 10,000 to \$ 24,999	118	456	827,082	44,135	692,862	2,017,610
25,000 " 49,999	105	668	1,406,751	76,335	1,456,898	3,692,758
50,000 " 99,999	131	1,607	3,860,547	211,125	4,048,433	9,533,187
100,000 " 199,999	110	1,898	4,576,573	264,520	7,791,290	16,102,847
200,000 " 499,999	136	4,244	11,340,778	722,743	23,960,199	43,222,487
500,000 " 999,999	86	5,189	14,040,172	1,130,781	38,248,093	62,203,551
1,000,000 " 4,999,999	123	22,884	65,966,301	4,624,882	149,869,950	260,753,581
5,000,000 and over	31	29,021	87,357,882	8,302,712	186,218,016	349,692,113
Head offices ¹	—	2,402	11,997,226	—	—	—
Totals	929	68,512	201,578,812	15,395,378	412,433,901	747,666,541
Knitting mills:						
Under \$10,000	8	20	17,783	1,405	11,772	39,489
\$ 10,000 to \$ 24,999	16	69	109,745	6,033	105,231	285,150
25,000 " 49,999	30	175	384,532	18,128	490,340	1,087,229
50,000 " 99,999	37	594	1,220,006	27,520	1,392,739	2,670,054
100,000 " 199,999	41	916	1,958,883	81,831	2,873,969	5,902,853
200,000 " 499,999	84	3,577	7,974,427	347,406	13,884,294	27,262,053
500,000 " 999,999	40	3,256	8,024,231	318,837	14,312,201	28,436,244
1,000,000 " 4,999,999	53	12,949	29,982,241	1,164,542	55,711,612	106,478,685
5,000,000 and over	1					
Head offices ¹	—	105	544,910	—	—	—
Totals	310	21,661	50,216,758	1,965,702	88,782,158	172,161,757

¹ Under this heading are included only those head offices which are not located at the plant.

**TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments,
by Industrial Group, 1957 — Continued**

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Clothing:						
Under \$10,000	127	257	355,202	12,966	272,046	740,241
\$ 10,000 to \$ 24,999	230	1,066	1,750,762	58,850	1,467,067	3,919,382
25,000 " 49,999	311	2,433	4,645,972	127,264	4,699,242	11,326,698
50,000 " 99,999	422	5,508	11,629,794	269,241	13,451,890	30,241,115
100,000 " 199,999	430	9,918	22,204,962	436,062	35,465,127	68,631,221
200,000 " 499,999	567	20,471	50,589,941	884,220	96,530,633	179,360,866
500,000 " 999,999	269	21,110	51,116,222	666,839	103,848,592	190,077,797
1,000,000 " 4,999,999	140	26,302	65,763,791	836,056	130,043,950	235,730,627
5,000,000 and over	4	3,581	9,210,384	77,838	12,627,785	29,595,530
Head offices ¹	—	468	1,692,022	—	—	—
Totals	2,550	91,114	218,959,052	3,369,336	398,406,332	749,628,477
Wood products:						
Under \$10,000	4,192	5,918	5,095,038	555,470	8,308,587	17,746,295
\$ 10,000 to \$ 24,999	1,948	5,465	9,013,165	821,827	15,430,760	31,692,395
25,000 " 49,999	1,422	7,021	14,344,459	1,201,526	25,957,854	51,028,593
50,000 " 99,999	1,116	9,657	22,828,153	1,925,659	40,475,984	79,153,827
100,000 " 199,999	803	11,980	32,157,946	2,544,344	59,965,771	114,678,928
200,000 " 499,999	751	23,045	65,522,484	4,135,890	128,598,546	237,567,310
500,000 " 999,999	323	19,072	60,211,248	3,026,821	123,984,040	221,995,242
1,000,000 " 4,999,999	221	30,747	103,411,798	4,509,851	223,428,321	401,810,071
5,000,000 and over	20	12,939	49,929,425	1,385,858	103,926,282	179,498,199
Head offices ¹	—	995	6,146,452	—	—	—
Totals	10,796	126,839	368,660,168	20,157,246	730,076,145	1,335,170,860
Paper products:						
Under \$10,000	24	29	31,179	1,363	30,709	88,272
\$ 10,000 to \$ 24,999	25	99	211,919	19,689	208,951	465,000
25,000 " 49,999	33	200	444,710	29,086	633,574	1,212,192
50,000 " 99,999	43	374	958,357	68,567	1,677,929	3,045,636
100,000 " 199,999	67	1,124	2,841,327	129,285	5,050,071	9,644,444
200,000 " 499,999	95	2,746	7,569,600	559,350	15,041,096	29,776,721
500,000 " 999,999	62	3,525	10,806,137	1,143,635	23,586,749	44,698,860
1,000,000 " 4,999,999	147	21,066	75,716,414	10,041,270	195,989,726	352,002,849
5,000,000 and over	86	61,809	282,395,265	101,110,117	641,176,188	1,424,785,211
Head offices ¹	—	3,311	22,312,383	—	—	—
Totals	582	94,283	403,286,291	113,102,362	883,394,993	1,865,719,185
Printing, publishing and allied industries:						
Under \$10,000	1,520	1,359	1,651,322	105,632	3,238,756	5,872,140
\$ 10,000 to \$ 24,999	958	2,870	5,865,664	263,191	6,500,677	15,837,378
25,000 " 49,999	709	4,237	10,535,669	331,192	9,369,001	25,416,143
50,000 " 99,999	522	5,077	15,682,343	476,650	12,630,188	37,074,824
100,000 " 199,999	372	6,416	21,919,647	554,389	17,577,788	52,265,645
200,000 " 499,999	267	9,457	32,897,908	754,239	27,550,395	82,202,925
500,000 " 999,999	116	8,851	33,645,958	756,179	24,288,603	80,898,099
1,000,000 " 4,999,999	99	19,360	75,482,337	1,467,782	67,575,157	207,007,910
5,000,000 and over	21	16,871	76,427,493	1,212,850	76,293,675	224,624,764
Head offices ¹	—	61	346,623	—	—	—
Totals	4,584	74,559	274,454,964	5,922,104	245,024,240	731,199,828
Iron and steel products:						
Under \$10,000	190	287	551,888	49,894	336,096	1,121,092
\$ 10,000 to \$ 24,999	413	1,330	3,123,405	217,839	2,163,049	6,860,066
25,000 " 49,999	402	2,549	6,651,005	375,736	4,440,647	14,641,328
50,000 " 99,999	456	4,472	13,719,541	688,346	11,237,756	32,949,230
100,000 " 199,999	420	6,781	23,751,164	1,209,005	23,360,000	59,306,417
200,000 " 499,999	477	13,941	51,478,773	2,391,511	63,312,843	149,753,707
500,000 " 999,999	270	16,239	61,372,082	2,684,341	87,393,652	192,110,915
1,000,000 " 4,999,999	337	56,468	218,555,426	11,797,331	367,225,038	773,872,446
5,000,000 and over	108	96,135	426,024,171	45,863,134	827,451,143	1,681,532,877
Head offices ¹	—	353	1,865,445	—	—	—
Totals	3,073	198,555	807,092,900	65,277,137	1,386,920,624	2,912,148,078
Transportation equipment:						
Under \$10,000	88	126	278,275	13,414	117,300	418,844
\$ 10,000 to \$ 24,999	75	241	626,772	29,696	431,733	1,234,202
25,000 " 49,999	60	345	974,608	53,086	944,421	2,273,192
50,000 " 99,999	62	595	1,824,392	98,857	1,911,886	4,410,215
100,000 " 199,999	64	1,158	3,883,118	183,758	3,650,670	9,136,221
200,000 " 499,999	85	2,906	10,586,554	397,001	11,450,112	26,732,752
500,000 " 999,999	52	3,222	12,516,255	498,636	17,477,423	37,757,781
1,000,000 " 4,999,999	79	17,222	63,032,463	2,370,555	82,274,360	182,865,514
5,000,000 and over	58	118,126	493,097,894	18,635,904	1,169,984,743	2,004,374,261
Head offices ¹	—	698	4,641,050	—	—	—
Totals	623	144,639	591,461,381	22,280,907	1,288,242,648	2,269,202,982

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments Classified According to Selling Value of Factory Shipments, by Industrial Group, 1957 — Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Non-ferrous metal products:						
Under \$10,000	56	105	257,896	28,488	108,114	267,312
\$ 10,000 to \$ 24,999	58	295	702,060	42,888	627,227	1,651,701
25,000 " 49,999	99	327	844,288	41,389	823,916	2,118,063
50,000 " 99,999	73	654	1,875,191	91,681	2,312,553	5,165,098
100,000 " 199,999	91	1,375	4,251,924	223,196	5,951,602	13,020,299
200,000 " 499,999	87	2,824	8,828,699	424,106	13,054,729	27,032,159
500,000 " 999,999	36	2,441	9,158,958	1,238,133	12,694,507	26,171,902
1,000,000 " 4,999,999	57	8,239	30,927,320	2,169,042	75,756,568	132,514,650
5,000,000 and over	35	37,236	165,074,341	61,247,464	902,816,299	1,475,441,256
Head offices ¹	—	1,085	6,347,711	—	—	—
Totals	592	54,581	228,268,388	65,501,407	1,014,145,515	1,683,382,440
Electrical apparatus and supplies:						
Under \$10,000	15	18	28,180	1,350	24,010	58,053
\$ 10,000 to \$ 24,999	23	62	176,733	5,794	156,277	382,145
25,000 " 49,999	43	243	670,828	35,403	657,706	1,599,564
50,000 " 99,999	43	352	1,116,531	59,645	1,431,311	3,023,288
100,000 " 199,999	53	829	2,441,897	97,673	3,074,633	7,207,602
200,000 " 499,999	90	2,829	8,452,342	331,001	15,454,363	30,646,761
500,000 " 999,999	63	3,833	12,013,383	373,521	23,540,297	43,905,803
1,000,000 " 4,999,999	101	16,926	61,094,579	2,088,414	111,550,252	227,657,778
5,000,000 and over	55	55,970	232,493,979	6,532,263	342,353,794	763,731,918
Head offices ¹	—	370	1,928,195	—	—	—
Totals	486	81,432	320,416,647	9,525,064	498,242,643	1,078,212,912
Non-metallic mineral products:						
Under \$10,000	169	296	464,251	78,408	314,686	887,290
\$ 10,000 to \$ 24,999	217	696	1,463,915	170,731	1,320,949	3,627,302
25,000 " 49,999	165	985	2,371,608	350,123	2,020,248	5,919,766
50,000 " 99,999	148	1,426	3,980,116	669,716	3,589,171	10,537,496
100,000 " 199,999	160	2,458	7,828,747	1,555,489	8,640,321	23,023,316
200,000 " 499,999	163	4,435	15,306,959	3,320,037	19,963,977	52,269,209
500,000 " 999,999	82	4,359	15,964,150	4,588,312	21,712,157	57,357,211
1,000,000 " 4,999,999	100	12,496	49,013,741	17,598,402	70,336,767	209,531,043
5,000,000 and over	27	12,232	50,175,560	23,637,912	82,083,638	239,012,104
Head offices ¹	—	737	3,744,138	—	—	—
Totals	1,231	40,120	150,313,185	51,969,130	209,981,914	602,164,737
Products of petroleum and coal:						
Under \$10,000	1	15	34,620	2,433	51,083	112,460
\$ 10,000 to \$ 24,999	6	29	90,575	18,677	247,143	458,931
25,000 " 49,999	7	112	418,891	65,246	707,570	1,399,251
50,000 " 99,999	15	253	1,034,568	226,466	1,989,894	4,996,555
100,000 " 199,999	9	245	942,725	154,280	3,348,603	6,611,908
200,000 " 499,999	25	2,082	8,329,373	2,846,821	36,612,739	61,835,224
500,000 " 999,999	34	12,320	62,857,096	55,771,075	855,873,397	1,416,811,508
1,000,000 " 4,999,999	—	2,701	14,979,926	—	—	—
Head offices ¹	—	—	—	—	—	—
Totals	106	17,757	88,687,774	59,084,998	898,830,429	1,491,925,837
Chemicals and allied products:						
Under \$10,000	131	175	304,540	20,182	198,422	603,533
\$ 10,000 to \$ 24,999	107	321	816,380	50,239	645,172	1,742,075
25,000 " 49,999	104	480	1,263,873	75,339	1,715,011	3,676,829
50,000 " 99,999	126	1,037	3,047,804	202,804	4,177,763	9,628,484
100,000 " 199,999	130	1,229	4,075,933	323,008	9,110,533	18,725,975
200,000 " 499,999	175	3,367	12,011,056	1,071,338	25,833,854	56,769,906
500,000 " 999,999	134	4,519	16,554,007	1,978,917	46,650,451	97,146,273
1,000,000 " 4,999,999	180	16,982	64,064,994	7,814,718	187,282,138	389,670,962
5,000,000 and over	50	23,864	104,840,645	30,565,196	290,133,047	625,447,160
Head offices ¹	—	2,734	15,065,317	—	—	—
Totals	1,137	54,708	222,044,489	42,101,741	565,746,391	1,203,411,197
Miscellaneous manufacturing industries:						
Under \$10,000	282	349	697,741	69,921	465,166	1,550,614
\$ 10,000 to \$ 24,999	269	803	2,116,162	152,660	1,522,138	4,523,399
25,000 " 49,999	264	1,397	3,768,208	257,736	3,531,044	9,305,189
50,000 " 99,999	227	2,233	6,610,838	384,761	6,060,034	16,320,962
100,000 " 199,999	202	3,385	9,651,221	454,051	12,122,799	28,227,367
200,000 " 499,999	179	6,303	18,008,908	810,213	27,466,763	59,807,807
500,000 " 999,999	83	5,357	15,541,303	702,847	29,717,891	57,276,202
1,000,000 " 4,999,999	68	11,487	37,746,165	1,191,262	51,045,957	126,873,874
5,000,000 and over	5	3,426	14,890,977	504,483	16,727,801	51,128,009
Head offices ¹	—	202	859,668	—	—	—
Totals	1,579	34,942	109,881,191	4,527,934	148,659,593	355,013,423

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1957

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number					
1. Pulp and paper:						
\$ 10,000 to \$ 24,999	1					
25,000 " 49,999	1					
50,000 " 99,999	3	91	194,860	37,337	215,392	441,958
100,000 " 199,999	7					
200,000 " 499,999	1	261	699,459	265,065	910,889	2,427,381
500,000 " 999,999	11	750	2,262,787	788,663	3,532,948	8,616,325
1,000,000 " 4,999,999	31	5,784	22,689,565	7,274,726	40,528,766	85,041,006
5,000,000 and over	73	56,336	262,735,273	100,271,154	571,987,802	1,315,407,792
Head offices ¹	—	2,718	19,045,905	—	—	—
Totals	128	65,940	307,627,849	108,636,965	617,175,797	1,411,934,462
2. Petroleum products:						
\$ 10,000 to \$ 24,999	3	7	15,915	886	19,957	55,581
25,000 " 49,999	3	11	34,305	4,948	83,577	162,441
50,000 " 99,999	3	21	76,714	5,063	283,956	465,286
100,000 " 199,999	5	93	498,287	136,717	642,297	1,816,233
200,000 " 499,999	3	39	136,019	14,573	1,550,088	1,830,482
500,000 " 999,999	18	970	4,162,019	1,624,118	26,963,761	43,517,024
1,000,000 and over	29	10,469	54,020,866	50,612,119	797,927,179	1,328,711,715
Head offices ¹	—	2,698	14,942,949	—	—	—
Totals	64	14,308	73,887,074	52,398,424	827,470,815	1,376,558,762
3. Non-ferrous metal smelting and refining:						
Under \$10,000	1					
\$10,000 to \$999,999	1	29,613	134,775,206	59,474,791	770,004,696	1,280,145,652
5,000,000 and over	21					
Totals	23	29,613	134,775,206	59,474,791	770,004,696	1,280,145,652
4. Motor vehicles:						
\$ 100,000 to \$ 199,999	1					
200,000 " 499,999	1	143	507,613	16,193	886,953	1,511,999
500,000 " 999,999	1					
1,000,000 " 4,999,999	5	904	3,452,345	75,167	6,577,062	11,303,922
5,000,000 and over	8	31,495	135,269,306	5,764,291	651,449,288	935,780,739
Head offices ¹	—	651	4,400,610	—	—	—
Totals	16	33,193	143,629,874	5,855,651	658,913,303	948,596,660
5. Slaughtering and meat packing:						
Under \$10,000	1					
\$ 10,000 to \$ 24,999	2	23	41,985	5,033	21,331	114,417
25,000 " 49,999	2					
50,000 " 99,999	9	43	96,541	20,215	582,546	702,987
100,000 " 199,999	9	61	129,339	18,512	1,037,840	1,317,647
200,000 " 499,999	30	376	1,050,774	154,446	7,569,895	9,613,733
500,000 " 999,999	27	838	2,357,545	311,477	13,843,744	19,278,830
1,000,000 " 4,999,999	35	1,984	6,621,079	555,195	58,743,655	74,060,861
5,000,000 and over	45	21,766	84,133,572	4,884,347	638,978,908	801,999,766
Totals	160	25,091	94,430,835	5,949,225	720,777,919	907,088,241
6. Primary iron and steel:						
Under \$10,000	1					
\$ 100,000 to \$ 199,999	3	32	120,433	12,405	135,268	384,363
200,000 " 499,999	7	321	1,247,645	104,839	689,850	2,286,935
500,000 " 999,999	5	388	1,557,269	175,899	1,120,125	3,218,736
1,000,000 " 4,999,999	21	3,397	13,874,600	2,752,603	25,370,980	53,876,853
5,000,000 and over	14	31,793	153,884,082	33,709,516	302,266,161	644,798,904
Head offices ¹	—	13	95,317	—	—	—
Totals	51	35,944	170,779,346	36,755,262	329,582,384	704,565,791
7. Sawmills:						
Under \$10,000	2,857	4,183	2,435,174	291,609	5,700,135	11,175,523
\$ 10,000 to \$ 24,999	1,118	3,095	3,794,335	388,931	9,739,560	18,211,825
25,000 " 49,999	811	3,662	6,337,889	610,990	16,100,327	29,308,092
50,000 " 99,999	615	4,721	10,047,000	966,136	23,714,753	42,284,934
100,000 " 199,999	425	5,668	14,724,054	1,354,125	32,111,450	60,286,882
200,000 " 499,999	279	7,346	21,580,388	1,714,909	46,029,492	86,101,156
500,000 " 999,999	94	5,020	16,909,207	933,486	35,022,353	64,882,980
1,000,000 " 4,999,999	64	8,616	32,234,201	1,375,685	73,852,804	131,374,488
5,000,000 and over	12	7,722	30,830,597	771,430	67,309,794	111,083,005
Head offices ¹	—	631	4,273,424	—	—	—
Totals	6,276	50,664	143,166,269	8,407,301	309,580,668	555,688,385

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1957 - Continued

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
8. Butter and cheese:						
Under \$10,000	19	21	13,134	2,911	106,809	120,407
\$ 10,000 to \$ 24,999	49	62	75,767	21,503	766,669	880,255
25,000 " 49,999	116	188	304,513	74,160	3,930,905	4,435,391
50,000 " 99,999	265	704	1,410,959	339,898	17,487,505	19,991,446
100,000 " 199,999	376	1,705	3,990,961	960,244	46,717,028	54,319,612
200,000 " 499,999	315	3,219	8,511,464	1,799,464	79,845,214	87,137,008
500,000 " 999,999	95	2,862	8,638,821	1,502,315	49,581,983	66,739,175
1,000,000 " 4,999,999	79	8,085	27,844,345	3,686,345	115,002,923	164,859,222
5,000,000 and over	8	3,538	13,291,015	1,039,088	39,251,877	61,371,633
Totals	1,322	20,384	64,080,979	9,425,928	352,690,914	469,851,749
9. Aircraft and parts:						
Under \$10,000	1	19	64,327	4,791	17,481	89,660
\$ 25,000 to \$ 49,999	2					
50,000 " 99,999	7	69	246,488	7,257	106,041	484,896
100,000 " 199,999	12	231	912,689	43,294	395,510	1,644,391
200,000 " 499,999	17	663	2,688,181	81,458	1,565,533	4,987,635
500,000 " 999,999	6	507	2,173,107	74,684	1,365,213	4,087,680
1,000,000 " 4,999,999	14	5,009	19,528,271	582,621	13,580,485	38,877,491
5,000,000 and over	11	35,118	154,086,116	4,037,595	131,516,252	374,270,960
Totals	70	41,616	179,699,179	4,831,700	148,546,515	424,442,713
10. Railway rolling stock:						
\$ 200,000 to \$ 499,999	2					
500,000 " 999,999	4		958,248	43,239	2,133,521	3,374,607
1,000,000 " 4,999,999	8	2,257	7,835,042	261,419	10,015,402	19,181,966
5,000,000 and over	16	25,384	95,374,852	4,111,160	229,681,808	364,165,480
Totals	30	27,909	104,168,142	4,415,818	241,830,731	386,722,053
11. Miscellaneous electrical apparatus and supplies:						
Under \$10,000	5	5	6,960	330	6,830	17,164
\$ 10,000 to \$ 24,999	10	24	57,412	3,361	70,305	167,456
25,000 " 49,999	15	95	251,297	13,209	247,663	543,049
50,000 " 99,999	11	84	263,770	8,080	340,311	786,438
100,000 " 199,999	22	345	980,476	45,092	1,426,924	2,936,635
200,000 " 499,999	33	1,203	2,896,723	132,309	5,985,612	11,598,972
500,000 " 999,999	22	1,202	3,942,238	142,480	8,704,197	15,948,246
1,000,000 " 4,999,999	37	5,497	19,664,437	826,490	41,179,245	80,960,414
5,000,000 and over	17	19,311	78,556,806	2,340,512	125,812,095	268,120,549
Head offices ¹	—	64	306,669	—	—	—
Totals	172	27,610	106,926,788	3,511,863	183,773,182	381,078,923
12. Machinery, industrial:						
Under \$10,000	16	21	25,567	2,910	18,288	65,732
\$ 10,000 to \$ 24,999	20	66	147,627	11,618	121,211	321,017
25,000 " 49,999	30	184	467,805	27,063	337,732	1,074,843
50,000 " 99,999	36	375	1,194,874	55,834	934,497	2,689,659
100,000 " 199,999	67	946	3,472,242	181,480	3,685,682	9,441,719
200,000 " 499,999	59	1,706	6,433,481	260,027	7,074,525	17,833,972
500,000 " 999,999	50	2,985	11,501,868	386,205	18,503,971	38,152,242
1,000,000 " 4,999,999	70	12,271	48,584,670	1,265,699	70,135,770	157,080,604
5,000,000 and over	12	9,128	37,307,287	1,204,976	52,231,494	136,340,446
Head offices ¹	—	9	56,817	—	—	—
Totals	360	27,691	109,192,218	3,395,812	153,043,170	363,000,234
13. Miscellaneous food preparations:						
Under \$10,000	31	46	45,836	6,543	81,803	147,954
\$ 10,000 to \$ 24,999	30	91	142,094	20,767	252,469	499,229
25,000 " 49,999	26	132	339,917	54,646	618,958	953,686
50,000 " 99,999	30	199	500,673	45,914	1,418,995	2,143,698
100,000 " 199,999	40	401	1,074,576	120,445	3,427,805	5,637,138
200,000 " 499,999	44	808	2,203,710	273,159	9,962,213	14,992,199
500,000 " 999,999	39	1,273	3,658,295	371,495	17,423,339	28,266,805
1,000,000 " 4,999,999	52	3,649	11,046,040	1,257,877	87,106,925	124,145,295
5,000,000 and over	16	2,897	10,775,064	1,746,316	107,346,605	159,505,782
Head offices ¹	—	507	2,775,416	—	—	—
Totals	308	10,003	32,561,621	3,896,772	227,639,112	336,291,786

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1937 - Continued

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
14. Bread and other bakery products:						
Under \$10,000	370	636	657,253	138,162	1,089,619	2,226,562
\$ 10,000 to \$ 24,999	830	2,429	3,953,081	710,690	7,008,839	14,094,882
25,000 " 49,999	633	3,292	6,482,626	992,728	11,334,591	22,433,795
50,000 " 99,999	409	3,858	8,672,391	1,167,637	13,891,160	28,363,356
100,000 " 199,999	166	2,793	7,144,689	959,734	11,211,924	22,945,945
200,000 " 499,999	106	3,682	10,107,441	1,247,655	15,634,534	32,841,720
500,000 " 999,999	57	4,049	12,236,912	1,349,703	18,384,188	40,346,172
1,000,000 " 4,999,999	57	11,166	37,673,864	3,667,881	54,042,880	119,156,090
5,000,000 and over	7	3,538	12,849,586	1,161,506	23,157,814	48,723,405
Totals	2,635	35,443	99,777,843	11,395,696	155,755,549	331,131,927
15. Rubber goods including footwear:						
Under \$10,000	6	12	16,079	1,665	8,705	34,384
\$ 10,000 to \$ 24,999	8	28	55,156	2,694	45,944	139,912
25,000 " 49,999	6	28	64,305	6,811	92,138	204,826
50,000 " 99,999	6	38	109,729	11,804	211,519	436,636
100,000 " 199,999	5	85	193,841	12,822	379,868	703,980
200,000 " 499,999	15	522	1,719,471	116,592	2,053,577	5,319,518
500,000 " 999,999	8	474	1,390,098	102,766	3,053,659	5,455,359
1,000,000 " 4,999,999	16	3,253	9,841,781	788,875	17,468,342	38,658,041
5,000,000 and over	18	17,737	69,779,120	3,917,495	120,933,016	275,138,652
Totals	88	22,178	83,189,580	4,961,524	144,246,768	326,091,308
16. Motor vehicle parts:						
Under \$10,000	11	16	36,560	2,318	14,422	57,679
\$ 10,000 to \$ 24,999	19	60	163,115	7,682	116,908	340,676
25,000 " 49,999	21	114	322,393	20,340	386,713	832,764
50,000 " 99,999	19	172	533,165	44,876	581,303	1,393,538
100,000 " 199,999	24	381	1,317,895	69,309	1,642,766	3,584,824
200,000 " 499,999	36	985	3,453,697	172,976	5,694,548	11,650,039
500,000 " 999,999	25	1,308	5,096,326	231,684	10,351,791	19,404,810
1,000,000 " 4,999,999	37	5,676	21,027,833	971,706	43,542,232	85,660,096
5,000,000 and over	13	11,667	50,752,451	3,148,968	101,981,287	192,471,164
Head offices ¹	—	47	240,440	—	—	—
Totals	205	20,426	82,943,875	4,669,859	164,311,970	315,395,590
17. Printing and publishing:						
Under \$10,000	121	176	359,975	31,002	142,315	693,905
\$ 10,000 to \$ 24,999	193	708	1,720,216	107,907	686,052	3,281,318
25,000 " 49,999	139	1,041	2,743,929	113,286	1,021,283	5,116,696
50,000 " 99,999	116	1,456	4,217,253	166,421	1,890,383	8,070,829
100,000 " 199,999	70	1,516	4,734,939	173,974	2,039,150	9,715,169
200,000 " 499,999	45	2,076	6,850,420	203,787	2,766,098	14,483,992
500,000 " 999,999	36	3,231	11,571,277	318,007	5,140,069	26,199,348
1,000,000 " 4,999,999	39	8,210	31,569,644	660,169	20,413,522	81,813,444
5,000,000 and over	14	12,476	58,646,347	976,003	54,348,671	164,969,444
Head offices ¹	—	40	188,862	—	—	—
Totals	773	30,930	122,602,862	2,750,556	88,247,543	314,344,145
18. Sheet metal products:						
Under \$10,000	11	10	22,780	2,286	25,025	69,998
\$ 10,000 to \$ 24,999	37	102	223,845	16,162	228,644	644,123
25,000 " 49,999	54	246	661,160	42,769	755,958	2,027,918
50,000 " 99,999	60	448	1,417,383	74,950	1,895,364	4,308,648
100,000 " 199,999	64	905	2,958,309	149,463	4,176,300	9,055,870
200,000 " 499,999	102	2,575	9,220,996	400,230	15,837,247	33,674,391
500,000 " 999,999	44	2,484	8,898,805	354,510	14,154,926	31,284,857
1,000,000 " 4,999,999	47	7,044	25,992,423	1,151,263	54,205,372	101,875,628
5,000,000 and over	13	5,919	27,713,769	1,204,462	76,553,121	126,557,475
Totals	432	19,733	77,109,470	3,396,095	167,831,937	309,498,908
19. Furniture:						
Under \$10,000	565	745	1,265,133	102,135	1,219,380	3,081,893
\$ 10,000 to \$ 24,999	405	1,113	2,570,859	191,971	2,721,458	6,559,434
25,000 " 49,999	275	1,433	3,736,204	229,359	4,446,141	9,791,819
50,000 " 99,999	194	1,800	5,027,808	239,370	6,576,069	13,923,371
100,000 " 199,999	165	2,929	8,341,649	363,152	11,716,942	24,028,542
200,000 " 499,999	201	7,177	20,563,075	808,306	32,444,099	63,747,891
500,000 " 999,999	90	6,062	19,119,882	632,534	31,041,402	61,674,748
1,000,000 " 4,999,999	65	11,416	37,262,739	1,094,062	61,144,852	124,532,903
5,000,000 and over	2					
Totals	1,962	32,681	97,887,349	3,660,889	151,310,343	307,340,601

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 49. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to Selling Value of Factory Shipments, 1957 - Concluded

Industry, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
20. Machinery, heavy electrical:						
Under \$10,000	1					
\$ 10,000 to \$ 24,999	1	20	67,289	2,858	73,034	167,497
25,000 " 49,999	4					
50,000 " 99,999	5	46	148,274	6,083	172,199	343,099
100,000 " 199,999	9	151	481,671	12,298	443,803	1,400,121
200,000 " 499,999	9	233	979,130	32,313	1,442,219	2,899,125
500,000 " 999,999	14	874	2,816,335	75,144	4,643,423	9,346,201
1,000,000 " 4,999,999	22	3,975	14,684,709	403,770	25,289,227	54,423,883
5,000,000 and over	13	18,899	82,676,488	1,967,900	82,410,602	232,661,156
Head offices ¹	—	236	1,224,778	—	—	—
Totals	78	24,234	103,078,674	2,500,366	114,474,507	301,241,082
21. Iron castings:						
Under \$10,000	14	19	33,900	4,750	25,000	89,691
\$ 10,000 to \$ 24,999	18	64	139,943	12,799	115,086	302,669
25,000 " 49,999	19	147	423,152	31,062	200,830	745,192
50,000 " 99,999	25	318	903,945	56,070	600,484	1,836,482
100,000 " 199,999	21	469	1,475,002	88,580	988,973	2,986,597
200,000 " 499,999	39	1,543	5,194,896	256,913	4,361,501	12,306,596
500,000 " 999,999	27	1,788	6,679,646	319,770	7,574,536	17,765,428
1,000,000 " 4,999,999	24	4,405	17,565,985	1,202,991	24,676,375	52,360,840
5,000,000 and over	14	7,981	34,634,921	2,509,512	103,707,580	187,655,512
Head offices ¹	—	43	204,334	—	—	—
Totals	201	16,777	67,255,724	4,482,447	142,250,365	276,048,007
22. Clothing, men's factory:						
Under \$10,000	17	31	38,629	1,765	40,799	95,258
\$ 10,000 to \$ 24,999	20	61	83,143	3,858	170,311	349,091
25,000 " 49,999	37	220	472,069	10,951	797,802	1,394,519
50,000 " 99,999	62	559	1,194,496	27,571	2,706,184	4,534,181
100,000 " 199,999	120	2,216	4,641,376	97,247	10,203,750	17,385,345
200,000 " 499,999	160	5,517	12,745,374	239,601	30,508,302	51,368,949
500,000 " 999,999	78	6,282	14,163,423	207,900	33,749,066	57,265,060
1,000,000 " 4,999,999	62	14,099	34,894,354	401,564	64,384,286	116,750,937
5,000,000 and over	3	2,736	7,532,896	59,635	10,000,145	23,282,272
Head offices ¹	—	303	1,358,706	—	—	—
Totals	559	32,024	77,124,466	1,050,092	152,560,645	272,425,612
23. Fruit and vegetable preparations:						
Under \$10,000	30	49	53,100	7,914	79,544	137,078
\$ 10,000 to \$ 24,999	48	186	238,504	25,821	654,988	777,805
25,000 " 49,999	46	314	403,386	57,276	1,345,873	1,719,550
50,000 " 99,999	57	590	874,565	94,399	3,036,104	4,127,822
100,000 " 199,999	58	1,015	1,741,470	229,642	5,821,469	8,379,467
200,000 " 499,999	71	2,354	4,204,914	432,781	16,601,364	23,229,145
500,000 " 999,999	61	3,141	6,960,245	701,056	28,046,609	43,589,676
1,000,000 " 4,999,999	53	6,336	15,606,766	1,379,076	70,276,096	101,413,060
5,000,000 and over	4	3,369	12,089,946	761,750	47,645,101	82,096,310
Head offices ¹	—	388	1,538,843	—	—	—
Totals	430	17,742	43,711,739	3,689,715	173,507,528	265,469,913
24. Boxes and bags, paper:						
Under \$10,000	7	8	7,208	752	18,587	35,029
\$ 10,000 to \$ 24,999	8	34	65,763	4,476	72,022	152,476
25,000 " 49,999	12	49	102,902	5,357	251,124	423,998
50,000 " 99,999	19	181	435,896	21,257	813,940	1,343,921
100,000 " 199,999	36	690	1,691,993	61,968	2,520,389	5,153,865
200,000 " 499,999	39	1,347	3,496,059	132,197	6,418,859	12,148,047
500,000 " 999,999	26	1,626	4,695,360	157,586	10,271,409	17,798,082
1,000,000 " 4,999,999	13	8,037	27,635,669	1,065,739	85,940,592	140,599,333
5,000,000 and over	10	3,792	13,484,295	610,301	48,001,245	75,842,394
Head offices ¹	—	177	1,010,709	—	—	—
Totals	220	15,941	52,625,854	2,059,633	154,308,367	253,497,145
25. Clothing, women's factory:						
Under \$10,000	13	30	31,237	1,526	30,542	75,313
\$ 10,000 to \$ 24,999	27	140	187,651	6,062	210,246	461,240
25,000 " 49,999	44	276	521,352	14,268	806,283	1,621,263
50,000 " 99,999	79	860	1,866,118	37,587	2,998,485	5,906,228
100,000 " 199,999	130	2,385	5,647,043	90,091	10,051,070	19,129,037
200,000 " 499,999	214	7,491	19,773,978	256,652	35,207,676	68,153,315
500,000 " 999,999	117	8,373	21,523,902	216,992	44,352,516	82,251,046
1,000,000 " 4,999,999	46	6,610	16,744,727	149,725	38,575,421	67,797,186
Head offices ¹	—	27	97,045	—	—	—
Totals	670	26,192	66,393,053	772,903	132,232,239	245,394,628

¹ Under this heading are included only those head offices that are not located at the plant.

Size as Measured by Number of Employees.—In 1929, establishments employing 501 hands or over accounted for 27.3 p.c. of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments employing 101 hands or over. In 1929 they employed 61.9 p.c., in 1933, 55.7 p.c. and in 1939, 61.5 p.c.

The effect of the War on the concentration of industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25.6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47.0. In a further subdivision of this group in 1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499, and 101 employed over 1,500. Altogether there were 12 plants employing over 7,000 persons, the largest having an employment of a

little over 13,000 with the next three largest employing between 9,000 and 10,000. Three other plants employed between 8,000 and 9,000 persons, while the lowest five plants in this group employed between 7,000 and 8,000 workers.

With the resumption of peace-time production the larger establishments declined in size so that by 1957 only 66 establishments employed over 1,500 persons, as compared with 101 in 1944. In 1957 there were only twelve establishments with 5,000 or more employees. Two of these reported over 10,000 employees, three between 8,000 and 10,000, and the remaining seven between 5,000 and 8,000.

Employees	Establishments
1,500 to 2,999	43
3,000 to 3,999	6
4,000 to 4,999	5
5,000 to 5,999	2
6,000 and over	10
Total	66

TABLE 50. Manufacturing Establishments, Classified by Number of Employees per Establishment, and by Provinces, 1957

Province	Up to 499	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland	914	—	—	1	1	916
Prince Edward Island	193	—	—	—	—	193
Nova Scotia	1,349	1	3	1	2	1,356
New Brunswick	974	4	1	2	—	981
Quebec	12,105	63	32	27	23	12,250
Ontario	13,378	108	32	27	23	13,580
Manitoba	1,580	5	1	2	4	1,590
Saskatchewan	844	—	—	—	—	844
Alberta	1,881	8	3	1	—	1,893
British Columbia	4,222	12	6	6	4	4,250
Yukon and Northwest Territories	22	—	—	—	—	22
Canada	37,462	201	79	67	66	37,875

TABLE 51. Manufacturing Establishments Classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1957

Group	1929 ¹			1939 ²		
	Estab- lishments	Employees	Average per establishment	Estab- lishments	Employees	Average per establishment
	number					
Under 5 employees	12,273	30,446	3.5	13,002	28,020	2.2
5 to 20 employees	6,160	62,310	10.1	6,985	68,151	9.8
21 " 50 "	2,531	81,846	32.3	2,330	75,324	32.3
51 " 100 "	1,262	80,238	71.5	1,158	81,646	70.5
101 " 200 "	745	103,944	139.5	695	97,063	139.7
201 " 500 "	444	136,397	307.2	458	139,687	305.0
501 and over	182	189,253	1,040.0	172	168,168	977.7
Totals and averages	23,597	694,434	29.4	24,800	658,059	26.5
	1944			1957 ⁴		
Under 5 employees	13,208	29,958	2.3	16,044	35,020	2.2
5 to 14 employees	7,111	58,404	8.2	9,983	83,030	8.3
15 " 49 "	4,615	124,408	27.0	6,185	174,415	26.9
50 " 99 "	1,622	113,869	70.2	2,138	148,329	69.4
100 " 199 "	900	126,192	140.2	1,213	168,810	139.2
200 " 499 "	644	196,707	305.4	771	233,636	303.0
500 " 999 "	383	573,344	1,497.0	280	194,300	693.9
1,000 " 1,499 "				67	82,011	1,224.0
1,500 and over				66	221,885	3,361.9
Head offices ³	—	—	—	—	17,625	—
Not classifiable	—	—	—	828	—	—
Totals and averages	28,483	1,222,682	42.9	37,875	1,359,061	35.9

¹ Includes central electric stations, dyeing, cleaning and laundry establishments.

² Exclusives of Yukon and the Northwest Territories.

³ Under this heading are included only those head offices which are not located at the plant.

⁴ Includes Newfoundland.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Groups, Classified by Number of Employees per Establishment, 1957

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Canada:						
Under 5 employees	16,044	35,020	65,599,895	8,026,540	216,580,172	350,152,068
5 to 14 employees	9,983	83,030	223,604,630	21,015,211	570,820,427	1,006,880,742
15 " 49 "	6,485	174,415	523,750,692	41,050,770	1,250,812,516	2,273,441,331
50 " 99 "	2,138	148,329	462,719,960	36,550,285	1,151,758,582	2,114,632,432
100 " 199 "	1,213	168,810	549,511,047	51,418,587	1,444,961,603	2,649,482,843
200 " 499 "	771	233,636	840,325,475	108,734,190	2,260,778,962	4,238,979,343
500 " 999 "	280	194,330	758,558,722	122,117,748	2,000,506,921	3,750,430,701
1,000 " 1,499 "	67	82,011	330,857,485	46,111,295	799,311,770	1,537,282,695
1,500 and over	66	221,885	964,915,648	120,267,362	2,199,901,953	4,250,676,530
Not classifiable ¹	828	—	—	—	4,696,797	5,635,626
Head offices ²	—	17,625	99,784,445	19,800	622,000	—
Totals	37,875	1,359,061	4,819,627,999	555,311,788	11,900,751,703	22,183,594,311
Foods and beverages:						
Under 5 employees	3,896	9,423	17,831,931	4,100,012	120,618,314	159,078,970
5 to 14 employees	2,745	21,923	53,396,208	9,967,957	263,744,551	381,823,144
15 " 49 "	1,155	30,619	83,336,194	12,617,955	389,959,372	579,763,217
50 " 99 "	361	24,869	74,729,475	8,934,391	337,164,912	535,311,448
100 " 199 "	210	29,237	90,201,200	9,585,878	431,630,482	672,603,636
200 " 499 "	123	36,144	124,949,032	11,220,544	516,887,119	838,129,981
500 " 999 "	37	25,060	87,636,348	7,069,816	387,009,204	616,279,991
1,000 " 1,499 "	8	13,502	50,639,748	3,464,058	256,741,492	388,980,905
1,500 and over	1	—	—	—	—	—
Head offices ²	—	1,400	7,304,979	19,800	622,000	—
Totals	8,536	192,177	590,025,115	66,980,411	2,704,377,446	4,171,971,292
Tobacco and tobacco products:						
Under 5 employees	18	51	81,659	17,509	138,612	306,208
5 to 14 employees	2	—	—	—	—	—
15 " 49 "	6	143	409,770	18,334	1,810,108	2,895,704
50 " 99 "	7	499	1,193,711	50,718	5,993,976	7,924,291
100 " 199 "	3	421	1,258,193	81,214	17,159,842	19,416,817
200 " 499 "	7	1,649	4,213,589	199,502	43,547,045	52,963,704
500 " 999 "	4	7,139	26,157,499	477,337	92,060,839	166,227,632
1,500 and over	2	—	—	—	—	—
Head offices ²	—	3	8,400	—	—	—
Totals	49	9,905	33,322,821	844,614	160,710,422	249,734,356
Rubber products:						
Under 5 employees	18	46	118,717	7,792	203,557	437,805
5 to 14 employees	11	93	257,832	23,200	817,604	1,313,879
15 " 49 "	18	492	1,624,146	112,766	3,243,548	6,608,084
50 " 99 "	9	635	1,781,722	158,106	2,886,288	6,830,985
100 " 199 "	7	952	3,143,499	229,777	6,019,151	12,724,210
200 " 499 "	7	2,100	6,731,902	536,137	11,417,955	25,408,147
500 " 999 "	11	7,186	24,838,034	1,305,796	34,708,150	83,077,746
1,000 " 1,499 "	4	4,885	19,097,377	1,051,804	28,968,587	58,702,378
1,500 and over	3	5,789	25,596,351	1,534,146	55,981,928	130,988,074
Totals	88	22,178	83,189,580	4,961,524	144,246,768	326,091,308
Leather products:						
Under 5 employees	150	318	627,132	50,499	1,179,886	2,217,933
5 to 14 employees	125	1,210	2,617,278	101,315	3,697,161	7,851,764
15 " 49 "	169	4,924	11,821,953	394,647	18,979,497	36,723,116
50 " 99 "	66	6,195	14,740,728	373,070	22,133,943	44,048,502
100 " 199 "	84	9,450	23,590,893	652,501	37,676,320	73,695,929
200 " 499 "	26	6,684	18,413,039	554,273	30,327,951	57,814,509
500 " 999 "	4	2,318	5,957,460	218,488	8,534,783	16,437,348
Totals	624	31,099	77,768,483	2,344,793	122,529,541	238,789,101
Textile mills:						
Under 5 employees	222	549	1,130,817	78,841	2,532,940	4,720,105
5 to 14 employees	250	2,162	5,296,675	299,215	11,174,500	20,725,680
15 " 49 "	246	6,683	17,779,630	1,117,908	49,687,976	82,481,696
50 " 99 "	76	5,157	14,161,237	1,048,217	34,236,474	58,715,560
100 " 199 "	60	8,739	25,750,438	1,591,500	64,522,230	107,191,462
200 " 499 "	46	13,193	38,027,979	2,941,406	77,720,163	142,079,351
500 " 999 "	16	10,374	29,449,640	2,227,108	54,514,860	103,102,112
1,000 " 1,499 "	9	10,745	31,241,388	2,840,517	81,202,833	144,615,440
1,500 and over	4	8,508	26,743,782	3,250,666	36,841,925	84,035,135
Head offices ²	—	2,402	11,997,226	—	—	—
Totals	929	68,512	201,578,812	15,395,378	412,433,901	747,866,541

See footnotes at end of table.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment, 1937 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Knitting mills:						
Under 5 employees	36	97	253,586	13,409	956,533	1,508,352
5 to 14 employees	59	539	1,204,528	49,660	2,633,595	4,632,984
15 " 49 "	99	2,863	6,754,829	237,521	13,872,869	26,263,672
50 " 99 "	53	3,621	8,310,041	337,294	15,767,135	30,433,026
100 " 199 "	36	4,986	11,742,233	459,973	19,693,054	38,221,039
200 " 499 "	24	7,534	17,486,967	641,364	29,271,645	57,640,736
500 " 999 "	3	1,916	3,919,664	226,481	6,587,327	13,461,948
Head offices ²	—	105	544,910	—	—	—
Totals	310	21,661	50,216,758	1,965,702	88,762,158	172,161,757
Clothing:						
Under 5 employees	490	1,256	2,992,205	111,730	12,108,461	18,527,124
5 to 14 employees	689	6,089	15,579,533	365,695	43,711,706	71,295,203
15 " 49 "	879	24,844	60,644,868	1,043,943	105,972,730	203,104,033
50 " 99 "	302	20,757	49,777,010	722,224	91,064,267	170,173,395
100 " 199 "	136	18,269	41,215,862	574,157	75,936,357	142,945,182
200 " 499 "	45	12,832	30,121,328	405,446	46,894,446	94,098,369
500 " 999 "	8	6,599	16,936,404	146,141	22,718,365	49,485,171
1,000 " 1,499 "	1	—	—	—	—	—
Head offices ²	—	468	1,692,022	—	—	—
Totals	2,550	91,114	218,959,052	3,369,336	398,406,332	749,628,477
Wood products:						
Under 5 employees	6,813	13,471	18,838,846	1,895,065	39,804,438	76,964,680
5 to 14 employees	2,317	18,750	45,597,550	4,003,631	98,656,805	181,073,944
15 " 49 "	1,178	30,954	90,205,552	5,965,565	202,891,834	357,529,593
50 " 99 "	294	20,067	61,691,067	3,093,759	126,829,730	228,096,959
100 " 199 "	132	17,778	56,241,958	2,546,482	100,639,358	193,184,662
200 " 499 "	49	14,790	51,721,657	1,461,811	80,797,702	164,933,381
500 " 999 "	11	10,034	38,217,086	1,190,933	80,456,278	133,387,641
1,000 " 1,499 "	2	995	6,146,452	—	—	—
Head offices ²	—	—	—	—	—	—
Totals	10,796	126,839	368,660,166	20,157,246	730,076,145	1,335,170,860
Paper products:						
Under 5 employees	72	175	404,920	30,163	1,273,941	2,149,721
5 to 14 employees	92	856	2,464,588	188,172	7,153,589	11,731,527
15 " 49 "	152	4,301	12,617,602	1,137,688	32,579,617	59,962,419
50 " 99 "	77	5,619	18,005,989	1,654,290	56,074,763	102,615,857
100 " 199 "	79	11,143	39,593,185	5,451,362	101,344,570	181,381,405
200 " 499 "	55	17,666	69,734,356	19,883,109	180,807,954	360,680,419
500 " 999 "	38	26,764	121,789,517	43,526,840	282,150,913	615,193,198
1,000 " 1,499 "	11	14,002	65,983,241	22,243,258	130,042,544	301,319,584
1,500 and over	6	10,446	50,380,510	18,987,480	91,967,102	230,685,055
Head offices ²	—	3,311	22,312,383	—	—	—
Totals	582	94,283	403,286,291	113,102,362	883,394,993	1,665,719,185
Printing, publishing and allied industries:						
Under 5 employees	1,778	3,794	8,305,740	382,805	11,434,513	25,740,501
5 to 14 employees	1,186	9,817	29,270,152	868,313	24,236,962	70,118,018
15 " 49 "	517	12,903	44,684,117	1,066,517	35,441,730	111,228,182
50 " 99 "	152	10,688	38,843,813	874,663	33,360,642	100,369,712
100 " 199 "	66	9,085	33,349,547	718,827	27,346,574	86,288,507
200 " 499 "	41	12,986	49,792,907	930,738	43,823,776	140,063,807
500 " 999 "	11	7,937	34,057,950	472,331	33,215,151	98,175,923
1,000 " 1,499 "	4	7,288	35,804,115	607,910	31,468,095	93,579,552
1,500 and over	1	—	—	—	—	—
Not classifiable ¹	828	—	—	—	4,696,797	5,635,626
Head offices ²	—	61	346,623	—	—	—
Totals	4,564	74,559	274,454,964	5,922,104	245,024,240	731,199,828
Iron and steel products:						
Under 5 employees	713	1,795	4,661,961	359,924	6,386,656	15,930,290
5 to 14 employees	926	8,116	25,871,246	1,445,705	32,400,315	80,136,658
15 " 49 "	807	21,361	78,141,532	3,570,022	115,221,129	256,231,736
50 " 99 "	266	18,583	71,154,674	3,628,975	121,066,912	250,298,554
100 " 199 "	157	22,074	86,524,014	5,329,640	164,392,033	327,451,584
200 " 499 "	138	42,661	172,471,391	8,789,330	319,490,036	652,228,345
500 " 999 "	45	29,944	122,986,437	7,333,887	189,049,252	408,173,988
1,000 " 1,499 "	9	10,857	46,116,589	5,285,847	99,588,941	216,047,727
1,500 and over	12	42,791	197,299,611	29,533,807	339,325,350	705,649,196
Head offices ²	—	353	1,865,445	—	—	—
Totals	3,073	198,555	807,092,900	65,277,137	1,386,920,624	2,912,148,078

See footnotes at end of table.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment, 1957 - Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Transportation equipment:						
Under 5 employees	180	400	1,081,424	57,954	1,699,271	3,385,186
5 to 14 employees	127	1,109	3,509,122	181,728	4,619,441	10,579,437
15 " 49 "	133	3,788	13,706,802	563,551	18,296,061	38,974,277
50 " 99 "	55	3,807	14,278,829	483,808	20,823,059	45,388,255
100 " 199 "	39	5,613	20,876,085	952,577	36,241,164	77,542,320
200 " 499 "	36	10,998	42,510,828	1,943,611	77,059,492	146,819,732
500 " 999 "	25	18,688	73,530,179	2,755,111	124,417,357	222,068,735
1,000 " 1,499 "	8	9,302	38,920,128	1,703,827	134,993,969	201,723,629
1,500 and over	20	90,236	378,406,934	13,638,740	870,092,834	1,522,721,411
Head offices ²	—	698	4,641,050	—	—	—
Totals	623	144,639	591,461,381	22,280,907	1,288,242,648	2,269,202,982
Non-ferrous metal products:						
Under 5 employees	174	395	1,002,091	74,875	1,773,607	3,655,992
5 to 14 employees	173	1,524	4,628,711	239,798	8,896,843	17,075,143
15 " 49 "	130	3,603	12,514,525	824,110	43,314,340	67,034,680
50 " 99 "	48	3,369	11,331,887	1,090,682	42,830,235	64,030,747
100 " 199 "	22	3,094	11,332,650	1,446,571	56,799,934	81,674,259
200 " 499 "	23	7,969	30,629,802	7,401,010	151,793,585	221,104,601
500 " 999 "	12	11,034	47,744,553	20,020,140	309,404,058	471,051,715
1,000 " 1,499 "	2	2	—	—	—	—
1,500 and over	8	22,508	102,736,958	34,404,221	399,332,913	757,755,303
Head offices ²	—	1,085	6,347,711	—	—	—
Totals	592	54,581	228,268,388	65,501,407	1,014,145,515	1,683,382,440
Electrical apparatus and supplies:						
Under 5 employees	61	142	433,337	22,937	1,771,726	2,855,104
5 to 14 employees	95	816	2,609,883	122,181	5,079,646	10,087,776
15 " 49 "	133	3,754	11,788,192	584,596	32,707,925	56,879,447
50 " 99 "	69	4,853	15,695,067	592,078	36,698,341	66,549,128
100 " 199 "	41	5,785	21,034,499	634,701	42,667,850	86,835,973
200 " 499 "	55	17,435	63,717,731	2,165,253	137,800,970	263,881,261
500 " 999 "	21	16,377	65,481,828	2,469,883	99,415,167	223,301,389
1,000 " 1,499 "	4	4,367	16,478,171	409,975	24,020,843	57,763,186
1,500 and over	7	27,523	121,249,744	2,523,460	118,080,175	310,059,648
Head offices ²	—	370	1,928,195	—	—	—
Totals	486	81,432	320,416,647	9,525,064	498,242,643	1,078,212,912
Non-metallic mineral products:						
Under 5 employees	436	1,046	2,239,439	354,684	3,963,422	9,170,648
5 to 14 employees	373	3,213	9,650,832	1,677,205	18,540,779	41,161,852
15 " 49 "	260	6,978	24,466,927	7,053,923	38,627,072	100,444,158
50 " 99 "	75	5,197	18,834,043	6,259,462	20,860,348	66,935,544
100 " 199 "	45	6,389	25,512,595	10,095,290	36,306,255	116,973,388
200 " 499 "	32	8,920	36,191,801	16,241,995	54,114,524	156,702,153
500 " 999 "	9	7,640	29,673,410	10,286,571	37,569,514	110,776,994
1,000 " 1,499 "	1	1	—	—	—	—
Head offices ²	—	737	3,744,138	—	—	—
Totals	1,231	40,120	150,313,185	51,969,130	209,981,914	602,164,737
Products of petroleum and coal:						
Under 5 employees	14	39	118,836	21,588	333,528	708,477
5 to 14 employees	16	156	563,289	90,025	3,319,186	5,481,308
15 " 49 "	25	689	2,858,804	569,987	11,205,252	19,978,645
50 " 99 "	14	868	3,923,732	3,159,293	53,216,334	76,133,682
100 " 199 "	13	1,833	8,876,272	5,515,306	106,949,968	173,591,649
200 " 499 "	18	6,141	29,007,261	24,382,643	356,094,566	614,573,766
500 " 999 "	5	5,330	28,359,654	25,346,156	367,711,595	601,458,310
1,500 and over	1	1	—	—	—	—
Head offices ²	—	2,701	14,979,926	—	—	—
Totals	106	17,757	88,687,774	59,084,996	898,830,429	1,491,925,837
Chemicals and allied products:						
Under 5 employees	327	709	1,838,035	142,434	5,745,008	11,671,273
5 to 14 employees	339	2,853	9,852,626	761,012	28,194,250	58,556,570
15 " 49 "	261	7,177	26,152,262	2,945,479	95,782,280	181,064,898
50 " 99 "	106	7,385	26,832,775	3,407,680	100,800,809	197,450,438
100 " 199 "	54	7,554	29,082,923	4,853,895	92,391,075	192,516,017
200 " 499 "	32	9,973	41,725,183	8,553,591	88,062,224	209,944,743
500 " 999 "	14	9,867	43,249,983	11,146,789	92,192,179	225,618,726
1,000 " 1,499 "	3	3	—	—	—	—
1,500 and over	1	6,456	28,245,385	10,290,861	62,578,566	126,588,532
Head offices ²	—	2,734	15,065,317	—	—	—
Totals	1,137	54,708	222,044,489	42,101,741	565,746,391	1,203,411,197

See footnote at end of table.

TABLE 52. Principal Statistics of Manufacturing Industries, by Industrial Group, Classified by Number of Employees per Establishment, 1957 — Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Miscellaneous manufacturing industries:						
Under 5 employees	646	1,335	3,677,631	307,772	4,686,508	11,203,364
5 to 14 employees	458	3,783	11,196,165	626,946	13,912,745	33,156,190
15 " 49 "	317	8,329	24,242,987	1,226,258	41,219,176	86,273,774
50 " 99 "	90	6,160	17,434,160	681,575	29,950,414	63,326,349
100 " 199 "	47	6,408	20,185,181	698,936	27,245,386	65,244,804
200 " 499 "	14	3,941	12,879,222	480,427	14,867,809	39,912,338
500 " 999 "	6	4,784	19,406,177	506,020	16,777,555	55,896,604
1,000 " 1,499 "	1					
Head offices ²	—	202	859,668	—	—	—
Totals	1,579	34,942	109,881,191	4,527,934	148,659,593	355,013,423

¹ Consists of the industry "Publishing (only) of Periodicals."

² Under this heading are included only those head offices that are not located at the plant.

Size of Establishment in Leading Industries. — Table 53 summarizes the degree of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of motor vehicles, non-ferrous metal smelting and refining, railway rolling-stock, cotton yarn and cloth, primary iron and steel, pulp and paper, and heavy electrical machinery; whereas

in the case of women's factory clothing, miscellaneous food preparations, furniture, butter and cheese, bread and other bakery products, fruit and vegetable preparations, sawmills and men's factory clothing, the degree of concentration is low. This concentration is analysed in detail for each of the twenty-five leading industries in the tables following.

TABLE 53. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1957.

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total shipments in the industry
1	Pulp and paper	80	62.5	94.8
2	Petroleum products	17	26.6	81.9
3	Non-ferrous metal smelting and refining	19	82.6	98.6
4	Motor vehicles	11	68.8	99.5
5	Slaughtering and meat packing	31	19.4	76.3
6	Primary iron and steel	16	31.4	91.4
7	Sawmills	22	0.4	26.2
8	Butter and cheese	20	1.5	23.1
9	Aircraft and parts	21	30.0	94.4
10	Railway rolling stock	21	70.0	97.8
11	Miscellaneous electrical apparatus and supplies	26	15.1	78.3
12	Machinery, industrial	33	9.2	57.2
13	Miscellaneous food preparations	6	1.9	22.5
14	Bread and other bakery products	28	1.1	34.5
15	Rubber goods, including footwear	25	28.4	91.4
16	Motor vehicles parts	21	10.2	69.8
17	Printing and publishing	31	4.0	68.8
18	Sheet metal products	23	5.3	51.1
19	Furniture	17	0.9	16.7
20	Machinery, heavy electrical	22	28.2	86.1
21	Castings, iron	23	11.4	75.6
22	Clothing, men's factory	33	5.9	36.5
23	Fruit and vegetable preparations	8	1.9	35.4
24	Boxes and bags, paper	16	7.3	38.9
25	Clothing, women's factory	7	1.0	5.5

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1957

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
1. Pulp and paper:						
5 to 14 employees	4	49	100,471	31,958	108,926	253,130
15 " 49 "	13	441	1,487,937	586,149	2,864,500	7,287,201
50 " 99 "	11	780	2,880,306	912,595	8,052,577	18,143,441
100 " 199 "	20	2,910	10,952,278	4,120,891	22,341,013	48,188,277
200 " 499 "	29	10,258	43,950,325	18,572,807	108,825,325	237,204,960
500 " 999 "	34	24,336	112,846,876	43,181,827	252,973,810	568,852,814
1,000 " 1,499 "	11	14,002	65,983,241	22,243,258	130,042,544	301,319,584
1,500 and over	6	10,446	50,380,510	18,987,480	91,967,102	230,685,055
Head offices ¹	—	2,718	19,045,905	—	—	—
Totals	128	65,940	307,627,849	108,636,965	617,175,797	1,411,934,462
2. Petroleum products:						
Under 5 employees	6	15	42,740	5,501	107,190	283,461
5 to 14 employees	9	87	338,390	39,603	2,670,470	4,055,566
15 " 49 "	9	317	1,422,717	395,880	6,289,988	10,918,794
50 " 99 "	11	678	3,065,777	2,366,116	45,268,419	64,930,515
100 " 199 "	12	1,671	8,185,152	5,452,256	104,555,969	169,163,880
200 " 499 "	12	4,167	20,802,918	19,542,123	318,408,685	549,675,600
500 " 999 "	4	—	—	—	—	—
1,500 and over	1	4,675	25,046,431	24,596,945	350,170,094	577,530,946
Head offices ¹	—	2,698	14,942,949	—	—	—
Totals	64	14,308	73,887,074	52,398,424	827,470,815	1,376,558,762
3. Non-ferrous metal smelting and refining:						
15 to 49 employees	1	—	—	—	—	—
50 " 99 "	1	—	—	—	—	—
100 " 199 "	2	2,465	10,354,804	7,284,227	125,954,847	163,733,180
200 " 499 "	4	—	—	—	—	—
500 " 999 "	7	—	—	—	—	—
1,000 " 1,499 "	1	6,675	29,618,918	18,607,993	264,596,477	390,717,694
1,500 and over	7	20,473	94,801,484	33,582,571	379,453,372	725,694,778
Totals	23	29,613	134,775,206	59,474,791	770,004,696	1,280,145,652
4. Motor vehicles:						
15 to 49 employees	3	—	—	—	—	—
50 " 99 "	1	326	1,303,951	19,726	2,315,279	4,968,379
100 " 199 "	1	—	—	—	—	—
200 " 499 "	5	1,372	5,183,149	357,482	20,614,768	23,339,488
500 " 999 "	2	30,844	132,742,164	5,478,443	635,983,256	920,288,793
1,500 and over	4	—	—	—	—	—
Head offices ¹	—	651	4,400,610	—	—	—
Totals	16	33,193	143,629,874	5,855,651	658,913,303	948,596,660
5. Slaughtering and meat packing:						
Under 5 employees	11	32	66,457	15,370	853,397	979,664
5 to 14 employees	41	358	1,012,727	151,534	12,449,477	14,648,675
15 " 49 "	43	1,241	3,840,401	446,364	37,659,608	46,737,101
50 " 99 "	19	1,372	4,811,623	364,302	45,978,711	56,429,660
100 " 199 "	15	2,317	8,554,509	778,808	74,967,258	95,737,862
200 " 499 "	18	6,059	23,411,686	1,311,768	184,629,838	223,481,598
500 " 999 "	9	6,644	25,779,930	1,018,766	175,312,615	223,805,213
1,000 " 1,499 "	3	—	—	—	—	—
1,500 and over	1	7,068	26,953,502	1,862,313	188,927,015	245,268,468
Totals	160	25,091	94,430,835	5,949,225	720,777,919	907,088,241
6. Primary iron and steel:						
5 to 14 employees	4	32	120,433	12,405	135,268	384,363
15 " 49 "	4	133	547,758	33,941	300,751	1,202,817
50 " 99 "	11	752	3,208,065	747,122	9,351,336	12,699,918
100 " 199 "	16	2,477	10,139,865	1,774,776	23,583,828	46,249,258
200 " 499 "	5	1,538	7,016,433	1,010,793	10,847,609	23,465,180
500 " 999 "	4	4,919	20,820,617	5,796,432	39,147,970	99,866,836
1,000 " 1,499 "	2	—	—	—	—	—
1,500 and over	5	26,080	128,830,858	27,379,793	246,215,622	520,697,419
Head offices ¹	—	13	95,317	—	—	—
Totals	51	35,944	170,779,346	36,755,262	329,582,384	704,565,791

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1957 - Continued

Industry by size group	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
7. Sawmills:						
Under 5 employees	4,457	8,935	9,346,714	1,038,636	25,849,027	47,623,463
5 to 14 employees	1,246	9,874	22,106,701	2,199,524	55,305,258	100,916,992
15 " 49 "	441	10,804	32,039,173	2,456,802	74,980,538	134,480,130
50 " 99 "	75	4,963	16,635,524	845,120	31,808,202	59,725,818
100 " 199 "	35	4,903	17,306,180	859,351	36,393,795	67,079,039
200 " 499 "	13	4,065	16,042,241	276,979	26,671,383	52,069,685
500 " 999 "	8					
1,000 " 1,499 "	1	6,489	25,416,312	730,889	58,563,465	93,793,258
Head offices ¹	—	631	4,273,424	—	—	—
Totals	6,276	50,664	143,166,269	8,407,301	309,580,668	555,688,385
8. Butter and cheese:						
Under 5 employees	736	1,903	3,766,893	984,416	63,123,282	70,799,542
5 to 14 employees	365	2,895	7,524,543	1,900,539	82,615,736	98,663,170
15 " 49 "	146	4,014	11,797,105	2,637,819	82,291,452	106,813,472
50 " 99 "	35	2,379	7,587,610	1,012,171	28,773,180	43,282,267
100 " 199 "	20	2,589	8,819,745	880,562	26,863,750	41,643,900
200 " 499 "	16	4,241	16,079,270	1,275,814	46,084,276	69,979,476
500 " 999 "	4	2,363	8,535,813	734,607	22,939,238	38,669,922
Totals	1,322	20,384	64,080,979	9,425,928	352,690,914	469,851,749
9. Aircraft and parts:						
Under 5 employees	2					
5 to 14 employees	11	123	492,927	18,134	227,759	1,092,981
15 " 49 "	23	665	2,715,147	104,594	1,409,396	4,955,050
50 " 99 "	9	661	2,698,296	57,803	2,156,253	5,866,534
100 " 199 "	4	621	2,574,048	67,454	4,764,893	12,054,491
200 " 499 "	9	2,836	11,387,915	466,874	13,254,282	27,734,409
500 " 999 "	6					
1,000 " 1,499 "	1	5,431	20,180,630	393,501	11,889,791	39,456,384
1,500 and over	5	31,279	139,650,216	3,721,340	114,844,141	333,282,864
Totals	70	41,616	179,699,179	4,831,700	148,546,515	424,442,713
10. Railway rolling stock:						
5 to 14 employees	2					
15 " 49 "	2	210	785,468	27,114	2,861,489	4,641,151
50 " 99 "	2					
100 " 199 "	3	361	1,349,620	71,596	2,825,721	3,816,365
200 " 499 "	4	1,041	3,625,475	155,127	4,514,303	12,957,443
500 " 999 "	6	4,351	16,142,483	606,451	17,810,391	34,467,354
1,000 " 1,499 "	6	7,069	29,464,280	1,535,412	128,570,477	182,529,630
1,500 and over	5	14,877	52,800,816	2,120,118	85,248,350	148,310,110
Totals	30	27,909	104,168,142	4,415,818	241,830,731	386,722,053
11. Miscellaneous electrical apparatus and supplies:						
Under 5 employees	23	56	146,957	9,855	1,283,708	1,818,703
5 to 14 employees	34	300	954,673	42,190	2,161,990	3,959,366
15 " 49 "	55	1,612	4,945,058	285,352	17,333,198	28,606,344
50 " 99 "	22	1,591	5,541,721	259,657	15,597,040	26,299,685
100 " 199 "	12	1,615	5,605,845	161,701	11,131,542	22,174,383
200 " 499 "	19	6,411	24,470,757	1,059,078	53,538,852	109,140,864
500 " 999 "	3					
1,000 " 1,499 "	1	3,234	11,258,400	584,466	18,703,383	37,105,992
1,500 and over	3	12,727	53,696,708	1,109,564	64,023,469	151,973,586
Head offices ¹	—	64	306,669	—	—	—
Totals	172	27,610	106,926,788	3,511,863	183,773,182	381,078,923
12. Machinery, industrial:						
Under 5 employees	50	120	345,660	26,227	725,936	1,398,573
5 to 14 employees	95	865	3,172,787	190,194	5,790,219	13,036,570
15 " 49 "	104	2,825	10,633,782	417,307	17,251,718	39,257,794
50 " 99 "	46	3,392	13,879,497	439,844	21,114,683	45,878,650
100 " 199 "	32	4,518	17,308,669	516,359	26,573,996	55,695,330
200 " 499 "	23	7,153	29,285,626	698,201	36,458,482	91,296,087
500 " 999 "	8					
1,000 " 1,499 "	1	8,809	34,509,380	1,107,680	45,128,136	116,437,230
1,500 and over	1					
Head offices ¹	—	9	56,817	—	—	—
Totals	360	27,691	109,192,218	3,395,812	153,043,170	363,000,234

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1957 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
13. Miscellaneous food preparations:						
Under 5 employees	94	235	529,091	49,135	2,241,377	3,466,358
5 to 14 employees	80	704	2,012,179	239,894	15,228,201	20,519,028
15 " 49 "	76	2,046	5,904,765	845,683	36,363,785	52,335,594
50 " 99 "	36	2,494	8,301,554	1,515,451	68,989,513	101,149,577
100 " 199 "	16	2,173	6,136,502	380,269	57,983,867	83,141,195
200 " 499 "	5	1	6,902,114	1,066,360	46,832,369	75,680,034
500 " 999 "	1	1,844	6,902,114	1,066,360	46,832,369	75,680,034
Head offices ¹	—	507	2,775,416	—	—	—
Totals	308	10,003	32,561,621	3,896,772	227,639,112	336,291,786
14. Bread and other bakery products:						
Under 5 employees	1,370	3,404	6,001,935	1,185,142	11,849,858	23,583,022
5 to 14 employees	909	7,030	15,129,308	2,050,283	24,586,560	49,643,138
15 " 49 "	235	6,082	15,900,709	1,998,197	25,594,268	52,998,205
50 " 99 "	63	4,440	13,821,689	1,565,401	21,668,856	47,344,449
100 " 199 "	30	3,919	13,065,361	1,295,942	19,689,811	43,451,162
200 " 499 "	22	6,709	22,861,444	2,215,197	36,744,204	78,278,446
500 " 999 "	6	3,859	12,997,397	1,085,534	15,621,992	35,833,505
Totals	2,635	35,443	99,777,843	11,396,696	155,785,549	331,131,927
15. Rubber goods, including footwear:						
Under 5 employees	18	46	118,717	7,792	203,557	437,805
5 to 14 employees	11	93	257,832	23,200	817,604	1,313,879
15 " 49 "	18	492	1,624,146	112,766	3,243,548	6,608,084
50 " 99 "	9	635	1,781,722	158,106	2,886,288	6,830,985
100 " 199 "	7	952	3,143,499	229,777	6,019,151	12,724,210
200 " 499 "	7	2,100	6,731,902	538,137	11,417,955	25,408,147
500 " 999 "	11	7,186	24,838,034	1,305,796	34,708,150	83,077,746
1,000 " 1,499 "	4	4,885	19,097,377	1,051,804	28,968,587	58,702,378
1,500 and over	3	5,769	25,596,351	1,534,146	55,981,928	130,988,074
Totals	88	22,178	83,189,580	4,961,524	144,246,768	326,091,308
16. Motor vehicle parts:						
Under 5 employees	40	102	311,765	22,412	1,081,892	1,755,149
5 to 14 employees	44	386	1,215,870	62,896	2,023,694	4,547,226
15 " 49 "	55	1,519	5,712,338	287,515	10,310,224	19,290,944
50 " 99 "	25	1,738	6,143,933	286,308	13,206,028	25,421,776
100 " 199 "	20	2,829	10,462,802	569,080	23,126,657	44,192,633
200 " 499 "	14	4,498	17,930,284	802,887	35,196,952	72,409,726
500 " 999 "	6	1	40,928,443	2,658,781	79,366,523	147,778,130
1,500 and over	1	9,307	40,928,443	2,658,781	79,366,523	147,778,130
Head offices ¹	—	47	240,440	—	—	—
Totals	205	20,426	82,943,875	4,669,859	164,311,970	315,395,590
17. Printing and publishing:						
Under 5 employees	286	677	1,671,003	122,001	773,695	3,535,396
5 to 14 employees	259	2,232	6,363,815	258,905	2,467,375	12,087,083
15 " 49 "	123	8,048	9,550,292	316,504	3,985,023	19,558,015
50 " 99 "	43	3,216	11,423,343	319,158	5,091,585	27,018,473
100 " 199 "	31	4,011	14,404,417	380,369	8,429,424	35,907,423
200 " 499 "	21	6,765	27,087,643	508,978	21,013,145	78,216,061
500 " 999 "	5	3,653	16,109,372	236,731	15,019,201	44,442,142
1,000 " 1,499 "	4	7,288	35,804,115	607,910	31,468,095	93,579,552
1,500 and over	1	1	40,928,443	2,658,781	79,366,523	147,778,130
Head office ¹	—	40	188,862	—	—	—
Totals	773	30,930	122,602,862	2,780,556	88,247,543	314,344,145
18. Sheet metal products:						
Under 5 employees	95	262	717,208	55,753	1,854,792	3,735,819
5 to 14 employees	122	1,063	3,499,260	208,371	7,308,539	15,227,087
15 " 49 "	136	3,659	13,201,038	871,610	24,714,354	51,802,568
50 " 99 "	34	2,378	8,328,346	383,246	19,523,497	36,173,337
100 " 199 "	22	3,029	10,859,710	590,495	23,696,102	44,514,081
200 " 499 "	16	4,716	20,399,438	781,934	59,879,015	98,821,646
500 " 999 "	7	4,626	20,104,472	804,686	30,855,658	62,224,390
Totals	432	19,733	77,109,470	3,396,095	167,831,957	309,498,908

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1957 - Continued

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
19. Furniture:						
Under 5 employees	1,057	2,078	4,681,604	356,206	6,109,007	13,463,728
5 to 14 employees	436	3,519	9,809,516	495,126	14,031,637	28,491,838
15 " 49 "	304	8,412	24,984,233	924,716	42,539,358	81,759,751
50 " 99 "	99	6,770	20,162,260	750,626	35,244,905	68,749,223
100 " 199 "	49	6,442	20,161,990	668,450	31,370,281	63,686,734
200 " 499 "	16	5,460	18,087,746	465,765	22,015,155	51,189,327
500 " 999 "	1					
Totals	1,962	32,681	97,887,349	3,660,889	151,310,343	307,340,601
20. Machinery, heavy electrical:						
Under 5 employees	4	9	40,789	2,478	55,034	104,813
5 to 14 employees	12	97	328,198	16,617	370,681	1,233,953
15 " 49 "	18	506	1,917,937	58,436	4,055,195	8,117,329
50 " 99 "	14	1,002	3,351,419	107,650	5,592,900	12,360,542
100 " 199 "	8	1,124	4,578,431	127,649	10,447,653	20,141,630
200 " 499 "	11	3,346	12,277,920	301,592	17,742,292	39,418,996
500 " 999 "	9	17,914	79,359,202	1,885,944	76,210,752	219,863,819
1,500 and over	2					
Head offices ¹	—	236	1,224,778	—	—	—
Totals	78	24,234	103,078,674	2,500,366	114,474,507	301,241,082
21. Iron castings:						
Under 5 employees	29	56	127,196	11,750	353,547	680,681
5 to 14 employees	43	369	1,110,090	87,856	931,844	2,715,573
15 " 49 "	67	2,034	7,008,940	348,608	9,977,832	22,251,563
50 " 99 "	31	2,182	7,861,104	323,619	7,531,414	19,980,844
100 " 199 "	8	1,068	4,484,537	261,087	13,746,823	21,701,604
200 " 499 "	17	5,404	22,237,009	1,844,505	55,837,238	104,797,031
500 " 999 "	4	5,641	24,222,514	1,605,022	53,871,667	103,920,711
1,000 " 1,499 "	2					
Head offices ¹	—	43	204,334	—	—	—
Totals	201	16,777	67,255,724	4,482,447	142,250,365	276,048,007
22. Clothing, men's factory:						
Under 5 employees	87	205	574,790	19,469	4,457,855	6,227,394
5 to 14 employees	123	1,066	2,866,398	53,732	15,552,563	22,072,309
15 " 49 "	197	5,798	13,507,738	248,433	31,983,616	54,225,125
50 " 99 "	72	4,987	11,223,539	201,064	24,544,385	41,727,127
100 " 199 "	47	6,538	14,488,016	189,301	26,912,746	48,791,136
200 " 499 "	25	7,373	17,846,363	210,155	29,018,755	56,210,608
500 " 999 "	7	5,754	15,258,916	127,938	20,090,725	43,171,913
1,000 " 1,499 "	1					
Head offices ¹	—	303	1,358,706	—	—	—
Totals	559	32,024	77,124,466	1,050,092	152,560,645	272,425,612
23. Fruit and vegetable preparations:						
Under 5 employees	96	194	316,939	44,433	1,232,132	2,083,055
5 to 14 employees	100	888	1,493,705	184,475	7,004,556	10,054,123
15 " 49 "	138	3,865	7,760,121	864,685	33,485,432	47,801,289
50 " 99 "	56	3,732	7,538,237	716,988	31,684,341	47,930,400
100 " 199 "	32	4,396	10,475,899	951,727	43,121,264	63,537,316
200 " 499 "	6	4,279	14,587,995	927,407	56,979,803	94,063,730
1,000 " 1,499 "	2					
Head offices ¹	—	388	1,538,843	—	—	—
Totals	430	17,742	43,711,739	3,689,715	173,507,528	265,469,913
24. Boxes and bags, paper:						
Under 5 employees	24	60	146,565	11,996	527,790	834,625
5 to 14 employees	34	322	897,475	47,719	2,698,618	4,330,137
15 " 49 "	66	1,832	4,817,907	192,167	10,680,771	18,853,600
50 " 99 "	42	3,020	9,283,917	364,764	30,775,785	49,591,275
100 " 199 "	38	5,173	17,721,217	660,037	49,870,311	81,357,784
200 " 499 "	14	5,357	18,748,064	782,950	59,755,092	98,529,724
500 " 999 "	2					
Head offices ¹	—	177	1,010,709	—	—	—
Totals	220	15,941	52,625,854	2,059,633	154,308,367	253,497,145

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 54. Principal Statistics of the Twenty-Five Leading Manufacturing Industries Classified According to the Number of Employees per Establishment, 1957 — Concluded

Industry by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
25. Clothing, women's factory:						
Under 5 employees	52	131	290,336	10,406	1,450,663	2,165,966
5 to 14 employees	153	1,468	3,550,467	73,046	8,906,219	15,379,607
15 " 49 "	295	8,673	22,674,622	315,450	42,763,019	81,360,435
50 " 99 "	116	7,906	21,193,437	206,506	40,521,807	76,604,017
100 " 199 "	47	6,314	14,869,583	136,283	31,087,567	56,275,260
200 " 499 "	7	1,673	3,717,563	31,212	7,502,964	13,609,343
Head offices ¹	—	27	97,045	—	—	—
Totals	670	26,192	66,393,053	772,903	132,232,239	245,394,628

¹ Under this heading are included only those head offices that are not located at the plant.

Subsection 7. Fuel and Power Consumption

Cost of Fuel and Electricity.—Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 55. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed, as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of purchased fuel consumed increased 523 p.c. from 1939 to 1957. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. The cost of electricity purchased, on the other hand, has increased during the same period by 296 p.c. The groups of industries in which fuel was most extensively used in 1957 were: paper products, products of petroleum and coal, foods and beverages, iron and steel products, non-metallic mineral products, non-ferrous metal products and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1957, 64.0 p.c. was for fuel and 36.0 for electricity. Percentage-wise, Nova Scotia with 79.3 p.c. of the Provincial total was the largest user of fuel, while Quebec with 56.3 p.c. was the smallest. Provinces lacking in water power resources naturally have to rely on fuel for power, and for this reason the percentage that fuel is to the total is much higher than in Provinces such as Quebec where there is an abundant supply of water for power purposes. In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Power Consumption.—Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in cost and values in the same manner as capital investments, values of products,

etc. Of course, power equipment installed is not a measure of the actual utilization of power for there is generally an excess over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant. In times of depression this margin increases. During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked.

Of the total increase in power equipment employed in manufacturing industries between 1939 and 1953, 75 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines—which include all gasoline engines, gas engines (natural, coal, and producer gas), and compression-ignition engines—also has increased rapidly during the period covered. During the period 1939-1953 there was an increase of 31 p.c. in the capacity of hydraulic turbines and water wheels, 56 p.c. in the capacity of steam engines and steam turbines, 115 p.c. in the capacity of electric motors, while internal combustion engines increased more than fivefold. The collection of statistics on power equipment was discontinued in 1949, but was collected again for 1953.

Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 48.1 billion kwh. in 1957, an increase of 148 p.c. as compared with 1939. Of the total consumed Quebec used 47.9 p.c., Ontario 27.9 p.c., British Columbia 15.1 p.c., Newfoundland and New Brunswick 1.9 p.c., Manitoba 1.7 p.c., and Alberta 1.6 p.c.

The paper products group with 33.8 p.c. of the total was the largest user of electric power in 1957, displacing the non-ferrous metal products group which held the premier position the preceding few years. The paper products group is also the largest user of purchased fuel and electricity. The non-ferrous metal products group was the second largest user of electric power in 1957 with 31.2 p.c. of the total, followed by chemicals and allied products with 10.1 p.c., iron and steel products 7.2 p.c., non-metallic mineral products 4.9 p.c., foods and beverages 3.0 p.c., etc.

Table 55 gives details of purchased fuel and electricity as well as the kwh. consumption by industrial groups and provinces. Table 56 gives details of power equipment and Tables 57 and 58 give details of fuel consumption for selected years from 1926 to 1957.

TABLE 55. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939-56 with Details by Provinces and Industrial Groups, 1957

Note: Includes fuel and electricity used in smelters for metallurgical purposes

Year, province or group	Value of purchased fuel	Value of purchased electricity	Total	Consumption of electric power		
				Purchased	Generated for own use	Total
		dollars		M kwh.		
1939	57,063,131	50,509,121	107,572,252	17,072,764	2,357,669	19,430,433
1940	78,550,913	58,429,262	136,980,175	17,954,995	2,640,918	20,595,913
1941	102,886,816	71,754,501	174,641,317	20,289,238	2,840,841	23,130,079
1942	121,512,643	85,205,846	206,718,489	23,650,840	3,345,443	26,996,283
1943	134,004,345	91,950,030	225,954,375	26,399,730	3,211,610	29,611,340
1944	137,883,770	87,699,383	225,583,153	25,777,238	2,752,124	28,529,362
1945	128,384,255	83,999,865	212,384,120	23,986,993	2,362,260	26,349,253
1946	127,179,620	83,273,105	210,452,725	25,250,876	2,714,261	27,965,137
1947	163,813,503	90,876,176	254,689,679	26,728,239	3,467,535	30,195,774
1948	209,063,839	94,475,355	303,539,194	24,907,413	4,590,676	29,498,089
1949	208,776,571	97,019,231	305,795,802	25,067,855	5,898,390	30,966,245
1950	229,993,079	106,940,541	336,933,620	27,482,129	6,266,050	33,748,179
1951	252,573,952	124,140,044	376,713,996	31,243,249	6,369,094	37,612,343
1952	257,443,536	135,537,806	392,981,342	32,418,626	6,450,729	38,869,355
1953	259,212,493	152,576,328	411,788,821	34,226,135	6,901,443	41,127,578
1954	265,242,482	159,189,746	424,432,228	36,362,316 ¹	6,072,634 ¹	42,434,950
1955	282,828,016	174,961,454	457,789,470	38,812,010 ¹	6,001,563 ¹	44,813,573
1956	333,304,628	190,636,078	523,940,706	40,251,872 ¹	6,372,641 ¹	46,624,513
Provinces, 1957						
Newfoundland	4,474,070	2,878,982	7,353,052	607,731	303,452	911,183
Prince Edward Island	272,654	136,780	409,434	5,741	5	5,746
Nova Scotia	12,737,421	3,319,121	16,056,542	349,686	178,558	528,244
New Brunswick	10,676,636	3,459,855	14,136,491	521,966	388,448	910,414
Quebec	105,321,357	81,859,915	187,181,272	21,402,941	1,599,918	23,002,859
Ontario	168,406,865	78,419,037	246,825,902	11,555,108	1,861,515	13,416,623
Manitoba	9,312,568	4,581,976	13,894,544	769,251	24,846	794,097
Saskatchewan	6,293,494	2,738,015	9,031,509	429,721	2,633	432,354
Alberta	10,416,569	5,427,831	15,844,400	612,420	164,248	776,668
British Columbia	27,409,117	16,990,354	44,399,471	5,439,608	1,838,652	7,278,260
Yukon and Northwest Territories	163,166	16,005	179,171	581	1,208	1,789
Canada	355,483,917	199,827,871	555,311,788	41,694,754	6,363,483	48,058,237
Industrial groups, 1957						
Foods and beverages	50,794,145	16,186,266	66,980,411	1,336,103	95,314	1,431,417
Tobacco and tobacco products	518,191	326,423	844,614	29,850	—	29,850
Rubber products	2,522,534	2,438,990	4,961,524	308,733	7,130	315,863
Leather products	1,418,526	926,267	2,344,793	56,984	100	57,084
Textiles	9,248,161	6,147,217	15,395,378	698,520	88,290	786,810
Knitting mills	1,318,256	647,446	1,965,702	39,694	2,164	41,858
Clothing	1,725,298	1,644,038	3,369,336	82,214	—	82,214
Wood products	11,446,360	8,710,886	20,157,246	554,420	207,660	762,080
Paper products	65,721,641	47,380,721	113,102,362	11,889,579	4,350,799	16,240,378
Printing, publishing and allied industries	3,051,782	2,870,322	5,922,104	177,933	—	177,933
Iron and steel products	41,559,478	23,717,659	65,277,137	3,278,727	159,960	3,438,687
Transportation equipment	14,322,070	7,958,837	22,280,907	840,495	82,438	922,933
Non-ferrous metal products	30,710,173	34,791,234	65,501,407	13,976,745	1,036,648	15,013,393
Electrical apparatus and supplies	4,936,146	4,588,918	9,525,064	491,873	18,840	510,713
Non-metallic mineral products	38,027,847	13,941,283	51,969,130	2,340,780	15,206	2,355,986
Products of petroleum and coal	52,792,922	6,292,076	59,084,998	902,397	1,178	903,575
Chemicals and allied products	22,871,877	19,229,864	42,101,741	4,537,895	294,083	4,831,978
Miscellaneous industries	2,498,510	2,029,424	4,527,934	151,812	3,673	155,485

¹ Since 1954 electricity previously reported as "Generated for own use" in the Fertilizer Industry in British Columbia, has been treated as "Electricity purchased". Of the total "Generated for own use and for sale", approximately 1,905,000 M kwh. were generated by thermal plant and 4,790,000 M kwh. by hydro-electric plant.

**TABLE 56. Power Equipment Installed in the Manufacturing Industries of Canada, 1926-48,
with Details by Provinces and Industrial Groups, 1953**

Year and province or group	Steam engines and turbines	Internal combustion engines	Hydraulic turbines and water wheels	Total	Electric motors operated by purchased power	Total power equipment	Electric motors operated by power generated by estab- lishments reporting	Total electric motors
	horsepower							
Totals, 1926	698, 343	56, 068	603, 618	1, 358, 029	1, 764, 348	3, 122, 377	391, 708	2, 156, 056
1929	762, 697	60, 841	645, 270	1, 468, 808	2, 386, 840	3, 855, 648	495, 921	2, 882, 761
1933	738, 297	76, 583	657, 683	1, 472, 563	2, 662, 445	4, 135, 008	497, 392	3, 159, 837
1937	834, 703	98, 233	649, 557	1, 582, 493	3, 129, 790	4, 712, 283	602, 955	3, 732, 745
1939	827, 801	121, 997	731, 390	1, 681, 188	3, 364, 099	5, 045, 287	694, 450	4, 058, 549
1944	1, 013, 615	288, 312	729, 216	2, 031, 143	4, 437, 296	6, 468, 439	779, 717	5, 217, 013
1946	1, 032, 639	368, 458	732, 859	2, 133, 956	4, 649, 993	6, 783, 949	820, 371	5, 470, 364
1948	1, 076, 411	544, 888	1, 150, 308	2, 771, 607	5, 387, 807	8, 159, 414	931, 312	6, 319, 119
Provinces, 1953								
Newfoundland	16, 015	14, 468	235, 935	266, 418	15, 557	281, 975	225, 504	241, 061
Prince Edward Island	651	3, 323	632	4, 606	3, 034	7, 640	—	3, 034
Nova Scotia	58, 880	38, 590	13, 100	110, 570	144, 638	255, 208	82, 711	227, 349
New Brunswick	96, 125	26, 070	14, 030	136, 225	186, 253	322, 478	88, 556	274, 809
Quebec	233, 411	111, 508	253, 880	598, 799	2, 887, 658	3, 486, 457	173, 419	3, 061, 077
Ontario	554, 856	168, 009	316, 958	1, 039, 823	3, 108, 826	4, 148, 649	423, 112	3, 531, 938
Manitoba	10, 675	14, 907	28	25, 610	207, 057	232, 667	6, 219	213, 276
Saskatchewan	17, 168	30, 355	—	47, 523	65, 845	113, 368	1, 997	67, 842
Alberta	67, 015	94, 608	—	161, 623	176, 037	337, 660	23, 620	199, 657
British Columbia	236, 959	238, 120	127, 065	602, 144	606, 857	1, 209, 001	278, 403	885, 260
Yukon and Northwest Territories	—	2, 354	—	2, 354	246	2, 600	—	246
Totals	1, 291, 755 ¹	742, 312	961, 628	2, 995, 685	7, 402, 006	10, 397, 703	1, 303, 541	8, 705, 549
Industrial groups, 1953								
Foods and beverages	76, 515	53, 946	22, 074	152, 535	623, 869	776, 404	50, 343	674, 212
Tobacco and tobacco products	466	375	—	841	10, 345	11, 186	—	10, 345
Rubber products	6, 036	182	1, 500	7, 720	134, 452	142, 172	270	134, 722
Leather products	1, 770	193	180	2, 113	41, 667	43, 780	370	42, 037
Textiles (except clothing)	29, 814	7, 099	16, 311	53, 224	311, 147	364, 371	16, 932	328, 079
Knitting mills	2, 936	462	1, 790	5, 188	60, 587	65, 775	204	60, 791
Clothing, (textile and fur)	643	235	—	878	25, 693	26, 571	—	25, 693
Wood products	257, 627	522, 452	31, 836	811, 915	441, 266	1, 253, 183	94, 301	535, 569
Paper products	361, 680	7, 412	872, 557	1, 241, 649	2, 331, 436	3, 573, 085	926, 613	3, 258, 049
Printing, publishing and allied industries	619	1, 043	—	1, 662	78, 320	79, 982	—	78, 320
Iron and steel products	178, 364	47, 651	263	226, 278	1, 049, 778	1, 276, 056	72, 149	1, 121, 927
Transportation equipment	124, 320	10, 461	127	134, 908	460, 305	595, 213	55, 633	515, 938
Non-ferrous metal products	20, 570	358	—	20, 928	670, 914	691, 842	6, 195	677, 109
Electrical apparatus and supplies	8, 372	6, 646	3, 975	18, 993	240, 343	259, 336	—	240, 343
Non-metallic mineral products	12, 003	46, 333	716	59, 052	287, 661	346, 713	5, 789	293, 450
Products of petroleum and coal	116, 324	22, 971	6	139, 301	158, 884	298, 185	14, 260	173, 144
Chemicals and allied products	89, 754	14, 035	10, 323	114, 112	417, 095	531, 207	59, 082	476, 177
Miscellaneous industries	3, 940	458	—	4, 398	58, 244	62, 642	1, 400	59, 644

¹ Includes "steam engines" 365,992 hp. and "steam turbines" 925,763 hp.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-56 and by Province and Industrial Group, 1957

No.	Year, province or group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		dollars						
1	1926 ⁴	34,500,291		²	2,173,178	533,928	4,157,935	692,404
2	1929 ⁴	15,832,290	21,754,377	²	1,844,736	707,058	2,332,823	430,258
3	1933 ⁴	7,571,912	10,770,107	²	1,033,154	522,626	1,574,426	254,510
4	1937 ³	15,648,467	16,255,262	²	1,253,376	759,600	5,169,524	799,060
5	1939.....	15,744,444	13,386,496	²	1,151,278	740,593	4,870,875	1,208,131
6	1944.....	19,785,479	55,667,410	²	2,231,277	1,522,417	7,909,168	7,278,337
7	1946.....	17,633,047	48,211,575	425,020	1,812,744	1,442,277	6,884,833	8,425,418
8	1948.....	28,160,528	73,315,170	440,737	2,274,727	1,598,940	9,575,838	13,442,363
9	1953 ⁶	34,503,085	68,523,205	615,660	2,629,506	2,241,781	9,622,024	22,892,625
10	1956 ⁶	43,191,404	65,520,769	755,330	2,721,907	2,140,733	12,452,876	35,577,464
	Provinces							
11	Newfoundland ⁶	59,585	⁷	—	8,636	—	6,661	284,837
12	Prince Edward Island.....	42,267	⁷	—	6,339	—	⁷	85,387
13	Nova Scotia.....	1,800,833	2,410	—	4,033	1,931	781,944	1,175,315
14	New Brunswick.....	6,457,412	43,175	—	12,864	—	11,275	953,835
15	Quebec.....	22,246,981	10,467,190	9,167	1,422,553	⁷	2,702,506	11,013,074
16	Ontario.....	5,454,292	57,188,169	617,825	1,048,932	1,550,989	6,009,759	18,272,264
17	Manitoba.....	1,307,656	194,107	99,139	25,508	1,014,637	398,387	1,558,623
18	Saskatchewan.....	1,500,692	2,464	33,430	⁷	54,517	—	691,737
19	Alberta.....	11,039	⁷	152,361	⁷	—	193,035	1,822,457
20	British Columbia.....	2,625,787	17,052	173,264	45,706	⁷	1,586,892	4,408,289
21	Yukon and Northwest Territories.....	—	—	—	—	—	—	13,607
22	Totals — 1957.....	41,506,544	67,915,652	1,085,186	2,574,981	2,622,995	11,691,402	40,279,425
	Industrial group							
23	Foods and beverages.....	3,117,528	6,537,057	342,176	502,430	488,107	268,319	18,438,937
24	Tobacco and tobacco products.....	9,738	121,801	—	⁷	—	—	34,773
25	Rubber products.....	102,842	1,677,305	—	2,420	—	—	122,698
26	Leather products.....	132,023	666,683	2,107	36,356	13,317	2,676	156,343
27	Textiles.....	1,991,239	2,889,920	2,585	100,871	3,881	38,787	511,625
28	Knitting mills.....	259,320	407,242	28,122	9,366	—	2,014	61,130
29	Clothing.....	73,605	101,864	2,528	19,012	3,068	1,800	759,322
30	Wood products.....	308,761	603,996	36,903	73,914	19,461	21,682	6,506,674
31	Paper products.....	18,131,902	19,386,453	515,736	21,024	1,801,086	⁷	1,004,323
32	Printing, publishing and allied industries.....	145,514	93,764	6,915	19,203	3,597	17,715	1,225,331
33	Iron and steel products.....	1,687,953	2,381,975	42,979	339,593	19,608	570,994	3,028,175
34	Transportation equipment.....	680,571	4,544,699	⁷	119,810	193,224	181,541	1,434,157
35	Non-ferrous metal products.....	5,646,950	6,663,544	⁷	1,175,445	⁷	6,152,906	521,755
36	Electrical apparatus and supplies.....	75,877	1,006,530	⁷	32,896	2,916	50,990	429,877
37	Non-metallic mineral products.....	7,876,390	10,674,860	101,776	47,461	59,606	608,637	4,070,409
38	Products of petroleum and coal.....	68,926	169,696	—	⁷	⁷	3,745,393	247,474
39	Chemicals and allied products.....	1,110,971	9,602,263	1,240	44,383	11,317	23,419	791,308
40	Miscellaneous industries.....	86,434	386,000	1,152	29,968	3,584	3,150	935,114

¹ Exclusive of the Butter and Cheese industry in the province of Quebec in 1953.

² Not collected.

³ Includes manufactured and natural.

⁴ For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable with current data.

TABLE 57. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-1956 and by Province and Industrial Group, 1957

Kerosene	Fuel oil	Wood	Gas			Other fuel	Total cost of fuel	Electricity		No.
			Liquified petroleum	Other manufactured	Natural			Purchased ¹	Generated for sale ¹	
dollars										
1	7,102,676	2,533,424	—	4,182,186 ³	—	804,478	56,680,500	26,235,597	2	1
51,743	7,874,831	2,604,803	—	5,218,678	905,039	809,305	60,365,941	37,775,877	904,791	2
39,870	4,566,630	1,635,716	—	4,097,925	729,385	727,081	33,523,342	33,092,334	36,393	3
52,438	8,580,369	1,636,098	—	6,148,643	1,256,276	2,015,923	59,575,036	50,032,810	288,842	4
59,635	8,560,418	1,562,119	—	6,506,782	1,385,110	1,887,250	57,063,131	50,509,121	405,690	5
216,651	21,822,975	2,340,460	—	13,779,303	3,110,803	2,219,490	137,883,770	87,699,383	1,219,086	6
213,947	23,872,464	2,189,271	—	12,086,381	1,881,984	2,100,659	127,179,620	83,273,105	1,589,447	7
635,233	50,987,211	1,991,384	—	20,507,352	2,080,617	4,053,739	209,063,839	94,475,355	887,402	8
1,075,536	77,034,810	1,368,106	1,585,671	27,642,079	4,671,710	4,806,695	259,212,493	152,576,328	2,486,054	9
1,304,524	113,467,139	1,083,646	2,516,160	32,653,222	9,675,877	10,242,057	333,304,628	190,636,078	2,400,304	10
125	4,056,167	236	2,446	7	—	55,089	4,474,070	2,878,982	104,737	11
4,083	125,063	6,113	2,262	—	—	—	272,654	136,780	—	12
7,047	5,215,935	22,060	53,973	3,608,736	—	63,204	12,737,421	3,319,121	844	13
12,705	3,020,495	100,791	24,900	548	2,261	36,375	10,676,636	3,459,855	152,408	14
1,012,391	42,895,941	494,808	644,822	9,999,210	108,482	2,304,033	105,321,357	81,859,915	409,363	15
162,456	45,544,803	288,743	1,133,601	19,063,326	6,275,685	5,796,021	168,406,865	78,419,037	1,240,680	16
4,803	3,723,866	25,922	39,961	761,339	62,135	96,485	9,312,568	4,581,976	—	17
1,190	2,346,349	5,355	87,535	993,590	340,521	235,856	6,293,494	2,738,015	—	18
8,642	682,721	2,771	355,280	1,413,602	5,717,163	56,701	10,416,569	5,427,831	25,311	19
24,846	14,239,186	47,741	122,601	1,988,640	608,034	1,520,357	27,409,117	16,990,354	245,465	20
—	120,300	7	264	26,071	724	2,000	163,166	16,005	39,214	21
1,238,288	121,970,826	994,740	2,467,645	37,855,107	13,115,005	10,166,121	355,483,917	199,827,871	2,218,022	22
42,483	15,628,835	409,540	518,972	630,613	2,388,664	1,480,484	50,794,145	16,186,266	74	23
—	328,172	7	59	970	558	20,885	518,191	326,423	—	24
558	556,093	2,345	2,329	20,939	34,105	900	2,522,534	2,438,990	—	25
2,256	330,024	3,728	1,419	8,219	15,933	47,442	1,418,526	926,267	—	26
20,682	3,344,502	3,036	86,492	28,922	82,022	143,597	9,248,161	6,147,217	1,845	27
7	526,627	7	2,187	1,828	6,021	14,261	1,318,256	647,446	—	28
7	559,257	4,137	7,303	25,310	41,980	126,063	1,725,298	1,644,038	—	29
32,178	3,405,283	127,321	85,260	11,774	134,974	78,179	11,446,360	8,710,886	195,409	30
958,854	21,214,128	27,566	130,371	212,638	820,345	1,695,836	65,721,641	47,380,721	1,702,344	31
22,460	1,177,767	778	21,569	92,186	194,603	30,380	3,051,782	2,870,322	—	32
55,371	20,730,333	27,812	296,930	9,485,198	2,343,527	549,030	41,559,478	23,717,659	844	33
15,124	4,025,093	12,786	305,325	110,068	890,372	1,809,216	14,322,070	7,958,337	—	34
36,859	9,172,024	51,638	148,184	279,668	724,223	136,299	30,710,173	34,791,234	—	35
2,320	2,120,903	—	122,929	340,548	343,157	406,945	4,936,146	4,588,918	—	36
36,101	11,320,480	318,292	134,061	573,837	1,898,146	307,791	38,027,847	13,941,283	396	37
2,002	20,962,749	7	518,666	23,274,564	1,609,129	2,193,491	52,792,922	6,292,076	39,214	38
7,717	5,730,778	7	64,590	2,725,961	1,647,682	1,109,499	22,871,877	19,229,864	277,896	39
3,257	837,778	3,823	20,999	31,864	139,564	15,823	2,498,510	2,029,424	—	40

¹ Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.² Newfoundland included.³ Included in the total.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-56 and by Province and Industrial Group, 1957

No.	Year, Province or Group	Coal					Coke	Gasoline
		Bituminous			Anthracite	Lignite		
		Canadian	Imported	Sub-bituminous				
		short tons						Imp. gal.
1	1926 ⁵	5,776,719		²	283,678	146,098	475,232	2,386,916
2	1929 ⁵	2,816,122	3,943,007	²	255,700	164,544	380,432	1,717,560
3	1933 ⁵	1,499,715	2,026,083	²	145,017	158,437	288,811	1,079,807
4	1937 ⁶	2,907,671	2,828,519	²	173,993	265,440	657,994	3,665,243
5	1939	2,893,613	2,262,378	²	167,465	238,698	596,077	5,306,656
6	1944	2,538,345	7,336,983	²	228,795	421,351	803,179	24,114,057
7	1946	2,208,110	5,794,992	70,450	179,139	394,689	691,152	27,537,378
8	1948	2,869,674	7,468,497	65,449	194,211	378,904	768,240	39,861,137
9	1953	3,180,027	6,811,887	77,382	195,261	466,994	673,896	64,521,694
10	1956	3,818,961	6,167,119	88,956	203,322	449,001	756,747	97,915,150
Provinces, 1957								
11	Newfoundland ⁷	2,884	⁸	—	413	—	236	632,003
12	Prince Edward Island	2,428	⁸	—	314	—	⁸	198,514
13	Nova Scotia	146,754	78	—	230	114	43,728	2,833,059
14	New Brunswick	587,672	2,546	—	616	—	493	2,322,148
15	Quebec	1,843,067	816,705	660	97,604	⁸	153,681	28,533,645
16	Ontario	472,396	5,365,137	42,950	78,224	279,007	322,617	50,154,269
17	Manitoba	116,909	11,730	15,050	1,555	246,727	35,899	4,239,647
18	Saskatchewan	109,784	486	3,699	⁸	9,815	—	1,795,464
19	Alberta	1,187	⁸	30,416	⁸	—	32,807	5,133,213
20	British Columbia	214,073	1,072	12,944	2,598	⁸	70,423	12,474,541
21	Yukon and Northwest Territories	—	—	—	—	—	—	45,240
22	Totals — 1957	3,497,154	6,197,815	105,719	181,589	535,711	659,915	108,361,743
Industrial group								
23	Foods and beverages	250,568	564,399	44,135	36,065	86,780	12,612	50,053,449
24	Tobacco and tobacco products	586	9,456	—	⁸	—	—	79,696
25	Rubber products	7,958	152,811	—	122	—	—	338,804
26	Leather products	11,007	53,776	210	2,506	2,350	173	391,328
27	Textile products (except clothing)	166,660	286,481	510	6,464	563	3,254	1,186,352
28	Knitting mills	21,082	31,810	2,218	621	—	129	139,137
29	Clothing	5,733	7,265	210	1,142	167	74	1,748,713
30	Wood products	22,038	44,076	3,093	3,471	2,609	977	17,072,544
31	Paper products	1,558,002	1,690,143	35,263	1,384	326,783	⁸	2,787,078
32	Printing, publishing and allied industries	34,283	10,054	514	999	888	1,673	3,289,106
33	Iron and steel products	147,465	194,522	3,313	25,764	2,977	60,451	7,923,103
34	Transportation equipment	56,138	447,858	⁸	10,658	98,721	6,069	4,424,175
35	Non-ferrous metal products	414,067	577,577	⁸	82,900	⁸	280,089	1,377,789
36	Electrical apparatus and supplies	6,985	88,163	⁸	2,029	510	1,910	1,093,351
37	Non-metallic mineral products	686,449	919,246	16,021	2,803	10,752	31,414	10,942,632
38	Products of petroleum and coal	6,973	22,234	—	⁸	⁸	259,750	1,016,744
39	Chemicals and allied products	95,037	1,063,820	109	2,742	2,339	1,123	2,131,215
40	Miscellaneous industries	6,123	34,124	63	1,877	251	162	2,366,527

¹ Exclusive of the Butter and Cheese industry in the province of Quebec in 1953.

² Not collected.

³ Includes manufactured and natural.

⁴ Value only, available.

TABLE 58. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-56 and by Province and Industrial Group, 1957

Kerosene	Fuel oil	Wood	Gas			Electricity			No.
			Liquified petroleum	Other manufactured	Natural	Purchased ¹	Generated for own use ¹	Generated for sale ¹	
Imp. gal.		cords	Imp. gal.	M cu. ft.			kwh.		
²	110,378,654	722,098	—	40,588,854 ³		⁴	²	¹	1
227,469	150,910,662	655,975	—	41,828,619	4,558,391	⁴	1,150,974,484	53,593,323	2
239,141	115,926,083	549,712	—	23,119,514	3,118,402	9,771,514,859	1,241,399,928	2,108,460	3
334,125	167,824,977	504,261	—	59,952,258	5,802,210	17,092,769,974	2,328,675,496	48,534,697	4
437,201	195,134,885	475,320	—	71,881,777	6,112,911	17,072,764,222	2,357,668,720	76,571,743	5
1,309,144	349,495,395	408,227	—	118,057,302	12,598,361	25,777,238,678	2,752,124,500	127,214,139	6
1,244,716	376,006,524	348,440	—	95,490,776	8,744,901	25,250,876,449	2,714,261,524	166,073,767	7
3,752,703	482,218,705	309,127	—	146,548,124	9,962,480	24,907,413,154	4,590,676,828	203,779,877	8
6,099,492	834,641,849	299,468	9,840,533	73,441,492	21,516,353	34,026,135,310	6,901,443,188	349,904,956	9
13,537,257	1,124,521,019	188,776	17,554,665	83,837,949	44,356,597	40,251,872,170	6,372,640,490	320,859,476	10
555	42,579,302	1,500	4,410	⁵	—	607,731,116	303,451,850	14,962,400	11
20,019	781,436	539	5,156	—	—	5,740,718	5,300	—	12
27,306	51,305,221	2,626	415,177	10,622,465	—	349,685,640	178,558,134	66,000	13
46,598	27,546,278	10,093	65,295	427	3,683	521,966,015	388,448,100	24,962,800	14
11,312,606	404,827,757	92,169	3,859,857	16,995,766	111,690	21,402,941,006	1,599,917,808	47,376,725	15
740,740	389,048,826	41,377	6,251,592	50,200,312	7,778,760	11,555,108,141	1,861,514,735	216,944,916	16
17,076	46,770,140	2,594	203,505	1,402,497	72,921	769,251,553	24,845,560	—	17
2,983	33,967,609	1,804	533,455	2,362,212	2,032,916	429,721,421	2,633,168	—	18
31,885	7,221,777	272	4,228,405	4,708,509	38,690,864	612,419,938	164,248,021	1,710,400	19
102,432	132,404,464	5,974	500,887	3,634,436	1,165,398	5,439,607,918	1,838,652,056	31,580,854	20
—	1,989,409	⁶	380	40,357	2,261	580,819	1,207,831	158,563	21
12,302,200	1,138,442,219	158,977	16,068,119	89,967,026	49,858,493	41,694,754,285	6,363,482,563	337,762,658	22
175,471	121,703,516	90,852	2,705,365	768,060	6,389,213	1,336,103,259	95,314,015	2,470	23
—	2,912,681	⁶	268	946	537	29,849,567	—	—	24
2,031	4,723,293	367	7,706	23,991	22,309	308,732,582	7,130,000	—	25
10,598	2,203,631	677	4,061	7,612	22,919	56,983,972	100,000	—	26
79,740	29,519,787	662	537,578	37,120	505,313	698,519,782	88,290,049	615,000	27
⁶	3,135,025	⁶	3,668	1,596	16,980	39,694,407	2,163,465	—	28
⁶	3,652,111	736	29,945	21,193	41,421	82,214,484	—	—	29
116,636	16,874,558	17,877	342,846	17,222	481,227	554,420,463	207,660,032	23,940,082	30
11,101,055	232,481,534	3,410	518,408	1,089,272	1,627,859	11,889,578,845	4,350,798,816	293,306,867	31
122,323	7,807,644	1,337	69,826	98,885	1,132,397	177,932,637	—	—	32
236,793	174,803,437	2,808	1,406,898	32,086,672	3,346,557	3,278,727,012	159,960,374	66,000	33
72,586	32,116,570	1,368	2,087,680	102,093	1,343,908	840,495,092	82,437,560	—	34
146,783	79,439,870	2,629	818,917	443,691	2,131,382	13,976,745,058	1,036,648,202	—	35
8,743	16,345,466	—	757,226	355,696	258,565	491,873,165	18,839,600	—	36
165,582	104,554,832	35,329	735,663	1,601,685	8,437,042	2,340,780,054	15,206,440	49,400	37
10,071	250,993,176	⁶	5,678,005	47,954,840	12,571,034	902,396,730	1,178,331	158,563	38
38,151	49,095,579	⁶	293,832	5,325,929	11,393,434	4,537,895,028	294,083,185	19,624,276	39
15,477	6,079,509	782	70,227	30,523	136,396	151,812,148	3,672,494	—	40

¹ For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals already published in order to make the series comparable with current data.

² Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

³ Newfoundland included.

⁴ Included in total.

PART II. PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

SECTION 1. TYPE AND CONCENTRATION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of Canada is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1957 amounted to \$17,758,187,739 or 80 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coal-fields of Pennsylvania, the water power and other varied resources of the provinces, and their nearness to the larger

markets of Canada and the United States have all contributed to this progress.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of tobacco and tobacco products, textiles (except clothing), clothing (textile and fur), and paper products. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 39 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 26 and 23 p.c. of the total. In each of the other groups Ontario and Quebec lead by a wide margin.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1957

Province and group	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Canada						
Foods and beverages	8,536	192,177	590,025,115	2,704,377,446	1,437,422,949	4,171,971,292
Tobacco and tobacco products	49	9,905	33,322,821	160,710,422	88,283,832	249,734,356
Rubber products	88	22,178	83,189,580	144,246,768	176,456,204	326,091,308
Leather products	624	31,099	77,768,483	122,529,541	116,139,080	238,789,101
Textiles	929	68,512	201,578,812	412,433,901	330,984,539	747,666,541
Knitting mills	310	21,661	50,216,758	88,782,158	84,147,853	172,161,757
Clothing	2,550	91,114	218,959,052	398,406,332	352,614,117	749,628,477
Wood products	10,796	126,839	368,660,168	730,076,145	585,783,470	1,335,170,860
Paper products	582	94,283	403,286,291	863,394,993	877,985,357	1,865,719,185
Printing, publishing and allied industries	4,584	74,559	274,454,964	245,024,240	481,737,438	731,199,828
Iron and steel products	3,073	198,555	807,092,900	1,386,920,824	1,476,348,128	2,912,148,078
Transportation equipment	623	144,639	591,461,381	1,288,242,648	956,075,551	2,269,202,982
Non-ferrous metal products	592	54,581	228,268,388	1,014,145,515	603,099,206	1,683,382,440
Electrical apparatus and supplies	486	81,432	320,416,647	498,242,643	568,587,265	1,078,212,912
Non-metallic mineral products	1,231	40,120	150,313,185	209,981,914	340,621,267	602,164,737
Products of petroleum and coal	106	17,757	88,687,774	898,830,429	534,093,249	1,491,925,837
Chemicals and allied products	1,137	54,708	222,044,489	565,746,391	605,273,621	1,203,411,197
Miscellaneous industries	1,579	34,942	109,881,191	148,659,593	206,433,400	355,013,423
Totals	37,875	1,359,061	4,819,627,999	11,900,751,703	9,822,064,726	22,183,594,311
Newfoundland						
Foods and beverages	75	3,566	7,211,670	17,454,344	14,969,611	33,450,992
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	5	118	242,040	523,401	120,904	774,807
Textiles ¹	—	—	—	—	—	—
Knitting mills ¹	—	—	—	—	—	—
Clothing	3	174	245,973	248,018	252,547	534,125
Wood products	751	1,583	1,819,488	3,586,804	2,967,521	6,899,265
Paper products ²	2	3,419	18,425,743	27,829,298	30,607,894	63,302,987
Printing, publishing and allied industries	41	451	1,281,360	734,375	2,206,009	3,012,842
Iron and steel products	10	264	823,845	907,057	1,325,640	2,303,392
Transportation equipment	5	306	968,806	404,814	952,627	1,388,950
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies ¹	—	—	—	—	—	—
Non-metallic mineral products	11	278	1,005,139	969,922	1,660,396	2,996,815
Products of petroleum and coal ¹	—	—	—	—	—	—
Chemicals and allied products	5	77	216,281	754,171	735,198	1,510,857
Miscellaneous industries ³	8	237	543,370	782,918	745,445	1,538,763
Totals	916	10,473	32,783,715	53,995,122	56,643,782	117,713,795
Prince Edward Island						
Foods and beverages	94	1,081	2,113,899	15,088,826	4,148,088	19,317,135
Tobacco and tobacco products ¹	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	—	—	—	—	—	—
Textiles	4	82	161,000	1,054,061	507,547	1,519,135
Knitting mills	—	—	—	—	—	—
Clothing	—	—	—	—	—	—
Wood products	70	213	319,194	500,654	560,421	1,092,682
Paper products ⁴	—	—	—	—	—	—
Printing, publishing and allied industries	11	167	383,773	175,336	609,493	803,535
Iron and steel products	4	29	71,800	62,062	77,704	151,710
Transportation equipment ⁴	—	—	—	—	—	—
Non-ferrous metal products	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	3	13	29,068	24,552	57,072	85,500
Products of petroleum and coal	—	—	—	—	—	—
Chemicals and allied products ⁵	—	—	—	—	—	—
Miscellaneous industries	—	—	—	—	—	—
All other groups	7	78	200,088	1,409,758	619,182	1,983,156
Totals	193	1,663	3,278,822	18,315,249	6,579,507	24,952,853

See footnotes at end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1957 - Continued

Province and group	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars		
Nova Scotia						
Foods and beverages	350	8,668	18,606,304	66,954,313	36,928,631	105,588,720
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	3	78	168,796	210,018	269,474	482,072
Textiles	12	491	1,193,200	2,634,517	3,153,653	5,868,352
Knitting mills	5	957	1,850,367	3,566,849	3,095,934	6,769,846
Clothing	9	388	613,957	1,324,869	924,051	2,298,261
Wood products	659	3,857	6,836,685	17,207,397	12,400,353	30,139,290
Paper products	7	1,530	5,374,034	10,457,336	13,442,987	25,495,582
Printing, publishing and allied industries	140	1,463	4,173,328	2,867,981	7,698,167	10,720,650
Iron and steel products	54	6,842	26,011,070	45,591,724	33,266,720	81,543,665
Transportation equipment	57	5,354	18,322,480	26,622,365	26,117,593	53,406,233
Non-ferrous metal products ¹	—	—	—	—	—	—
Electrical apparatus and supplies ¹	—	—	—	—	—	—
Non-metallic mineral products	26	493	1,434,608	1,235,068	3,346,074	5,240,099
Products of petroleum and coal ¹	—	—	—	—	—	—
Chemicals and allied products	15	292	911,658	3,011,384	2,664,940	5,567,194
Miscellaneous industries ³	19	1,117	5,138,128	56,602,934	32,374,347	94,179,081
Totals	1,356	31,530	90,634,615	238,286,745	175,682,924	427,299,045
New Brunswick						
Foods and beverages	314	6,498	15,059,045	83,926,508	36,810,000	123,163,725
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	7	311	631,733	1,105,660	1,057,992	2,192,850
Textiles	14	372	852,804	1,315,043	986,717	2,117,250
Knitting mills ¹	—	—	—	—	—	—
Clothing	5	169	238,501	267,367	308,581	597,088
Wood products	455	3,461	6,951,396	18,437,390	11,973,000	30,898,055
Paper products	18	4,334	18,909,169	46,209,736	43,537,509	98,658,959
Printing, publishing and allied industries	—	—	—	—	—	—
Iron and steel products	32	1,278	2,682,414	1,793,775	4,397,235	6,358,473
Transportation equipment	10	2,085	3,617,329	5,815,392	6,635,245	12,686,504
Non-ferrous metal products ¹	—	—	—	—	—	—
Electrical apparatus and supplies	—	—	—	—	—	—
Non-metallic mineral products	27	508	1,580,887	1,596,153	4,031,329	6,748,414
Products of petroleum and coal ¹	—	—	—	—	—	—
Chemicals and allied products	9	150	473,437	3,070,360	1,307,214	4,344,891
Miscellaneous industries ³	19	872	2,652,780	2,438,674	4,471,794	7,133,161
Totals	981	20,985	60,485,307	174,741,863	123,547,460	311,795,501
Quebec						
Foods and beverages	2,726	48,593	143,391,389	728,804,896	366,047,426	1,107,984,474
Tobacco and tobacco products	29	8,018	27,910,568	94,677,829	75,027,590	170,223,998
Rubber products	34	6,430	20,446,898	26,093,702	31,723,275	59,707,499
Leather products	332	16,253	37,113,063	55,116,647	54,544,008	109,959,712
Textiles	417	38,556	109,938,151	221,511,275	174,141,468	400,213,353
Knitting mills	166	10,367	23,773,785	42,928,962	41,432,945	83,858,655
Clothing	1,590	56,838	132,869,375	258,620,518	216,420,542	475,051,384
Wood products	3,097	32,941	81,105,842	169,638,429	133,637,145	307,792,257
Paper products	201	36,724	157,152,436	335,153,791	345,192,627	728,475,228
Printing, publishing and allied industries	1,267	20,638	73,507,451	71,263,549	132,657,961	205,028,067
Iron and steel products	721	45,997	175,113,736	275,261,617	314,719,893	593,096,208
Transportation equipment	119	37,906	148,144,279	201,426,702	210,248,314	416,441,357
Non-ferrous metal products	192	17,673	72,667,846	366,338,500	184,338,670	580,685,327
Electrical apparatus and supplies	99	24,106	94,188,512	130,502,427	144,636,167	276,076,828
Non-metallic mineral products	373	11,985	43,285,850	63,289,682	95,096,144	173,936,404
Products of petroleum and coal	18	3,527	18,410,567	311,760,721	188,153,765	521,341,817
Chemicals and allied products	372	21,835	87,168,720	171,520,780	183,014,716	365,900,916
Miscellaneous industries	497	10,996	31,639,868	46,998,772	56,664,962	103,821,572
Totals	12,250	449,383	1,477,828,336	3,570,908,799	2,947,897,608	6,679,595,056
Ontario						
Foods and beverages	3,206	79,617	257,622,894	1,060,346,305	653,637,813	1,719,892,062
Tobacco and tobacco products	17	1,873	5,381,686	66,017,132	13,217,380	79,452,268
Rubber products	46	15,679	62,508,239	117,970,608	144,355,550	265,798,148
Leather products	223	13,074	36,503,898	59,652,669	55,713,712	115,169,113
Textiles	380	27,145	84,134,348	169,779,230	143,565,982	312,983,411
Knitting mills	123	9,792	23,372,209	40,447,039	37,317,071	77,552,436
Clothing	695	24,711	63,948,267	98,366,838	102,106,861	199,876,632
Wood products	2,384	35,165	104,138,857	175,790,936	162,976,014	343,907,186
Paper products	265	36,423	151,455,977	344,831,558	321,715,245	695,515,396
Printing, publishing and allied industries	1,878	37,276	145,148,994	132,153,843	249,434,610	383,786,215
Iron and steel products	1,555	123,601	518,597,587	909,064,544	982,213,763	1,933,767,733
Transportation equipment	263	82,127	350,827,518	996,500,393	624,420,336	1,638,518,519
Non-ferrous metal products	309	27,760	114,106,127	343,522,935	339,577,559	873,320,832
Electrical apparatus and supplies	312	54,622	216,733,866	105,694,829	179,576,217	310,658,288
Non-metallic mineral products	547	20,088	76,510,319	277,971,618	145,935,087	441,814,132
Products of petroleum and coal	33	7,396	37,586,061	329,778,344	352,476,904	702,383,835
Chemicals and allied products	554	26,836	111,182,216	91,051,013	134,050,869	224,274,936
Miscellaneous industries	790	21,060	68,917,381	—	—	—
Totals	13,580	644,245	2,430,676,464	5,827,317,500	5,047,710,789	11,078,592,683

See footnotes at end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Group, 1957 - Continued

Province and group	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars	
Manitoba						
Foods and beverages	390	9,930	33,144,841	171,240,401	76,757,552	250,482,379
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	3	8	15,681	41,670	19,828	71,113
Leather products	21	739	1,743,332	3,635,339	2,586,538	6,052,925
Textiles	32	536	1,334,749	6,117,448	2,292,840	8,389,340
Knitting mills	4	91	171,260	434,018	442,094	853,862
Clothing	152	5,992	13,784,025	27,136,383	20,964,567	47,725,534
Wood products	327	3,186	8,617,879	16,176,207	13,536,570	30,076,152
Paper products	25	1,559	5,708,345	17,349,120	16,477,807	35,221,527
Printing, publishing and allied industries	296	3,909	12,723,928	10,724,102	22,635,581	33,535,974
Iron and steel products	133	5,404	19,796,035	35,125,767	30,043,379	66,553,231
Transportation equipment	26	7,006	24,815,262	25,304,378	28,570,975	54,417,262
Non-ferrous metal products	17	484	1,886,547	8,088,301	6,313,357	15,052,447
Electrical apparatus and supplies	20	1,149	3,727,272	7,260,761	7,892,399	14,921,194
Non-metallic mineral products	41	1,391	4,457,041	6,963,541	11,244,425	20,799,126
Products of petroleum and coal	6	988	3,952,585	32,203,109	21,884,518	56,453,688
Chemicals and allied products	37	749	2,257,544	8,362,710	7,447,957	16,163,547
Miscellaneous industries	60	763	2,063,930	3,635,959	4,052,370	7,760,435
Totals	1,590	43,884	140,200,256	379,799,214	273,162,737	664,529,736
Saskatchewan						
Foods and beverages	239	5,325	17,646,734	94,112,923	42,906,095	138,105,689
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products	—	—	—	—	—	—
Leather products	—	—	—	—	—	—
Textiles	8	78	170,503	805,844	324,117	1,133,586
Knitting mills	—	—	—	—	—	—
Clothing	9	256	622,945	1,136,581	1,362,265	2,391,805
Wood products	260	1,294	2,963,300	5,238,966	4,815,441	10,261,733
Paper products	5	43	118,796	281,875	278,438	552,588
Printing, publishing and allied industries	187	1,567	5,002,062	3,361,232	8,236,691	11,726,862
Iron and steel products	55	722	2,551,445	4,942,125	3,988,575	8,624,328
Transportation equipment	5	16	51,717	30,995	87,728	125,840
Non-ferrous metal products ¹	—	—	—	—	—	—
Electrical apparatus and supplies ¹	—	—	—	—	—	—
Non-metallic mineral products	35	564	1,923,261	2,097,522	5,647,988	8,692,259
Products of petroleum and coal	12	1,274	6,142,133	57,801,721	29,060,522	90,339,371
Chemicals and allied products	9	223	903,832	2,849,887	1,386,010	4,159,342
Miscellaneous industries ²	20	650	2,778,621	16,447,066	11,504,937	30,001,709
Totals	844	12,012	40,875,349	189,106,737	109,598,807	306,115,112
Alberta						
Foods and beverages	446	11,733	38,624,106	223,525,338	84,538,601	310,987,766
Tobacco and tobacco products	—	—	—	—	—	—
Rubber products ¹	—	—	—	—	—	—
Leather products	12	62	153,075	274,016	163,827	351,567
Textiles	18	438	1,473,795	3,872,031	2,162,836	6,187,576
Knitting mills	5	48	101,941	112,646	149,155	258,467
Clothing	26	1,004	2,738,026	5,429,816	4,287,917	9,405,224
Wood products	693	5,334	13,836,827	29,418,927	24,789,958	55,181,629
Paper products	16	1,154	4,870,162	10,882,569	5,858,912	17,454,025
Printing, publishing and allied industries	270	2,761	9,117,562	7,596,135	17,687,759	25,472,895
Iron and steel products	172	4,587	17,654,333	37,088,940	31,369,783	68,253,769
Transportation equipment	28	3,666	13,507,795	12,464,435	15,669,893	28,422,049
Non-ferrous metal products	13	771	3,548,913	9,176,062	10,943,540	20,772,692
Electrical apparatus and supplies	8	178	633,037	2,834,788	1,026,016	3,868,810
Non-metallic mineral products	75	2,752	9,803,621	15,813,007	24,694,825	42,493,158
Products of petroleum and coal	23	2,232	10,969,043	83,582,424	59,828,563	147,672,293
Chemicals and allied products	36	1,940	8,495,390	17,229,543	26,032,779	42,955,847
Miscellaneous industries ³	52	429	1,549,812	1,833,363	2,832,726	4,742,745
Totals	1,893	39,089	137,077,438	461,134,040	312,037,090	784,480,512
British Columbia						
Foods and beverages	691	17,143	56,537,411	242,839,280	120,509,394	362,729,234
Tobacco and tobacco products ¹	—	—	—	—	—	—
Rubber products	4	57	212,154	138,835	345,823	500,163
Leather products	21	464	1,212,546	2,011,791	1,682,625	3,806,055
Textiles	42	728	2,095,451	4,928,275	3,481,895	8,475,423
Knitting mills	5	288	720,215	1,100,013	1,455,760	2,442,159
Clothing	61	1,582	3,897,983	5,875,942	5,986,786	11,748,224
Wood products	2,089	39,751	141,931,745	293,842,365	217,895,911	518,440,933
Paper products	42	9,093	41,263,433	90,571,866	100,850,562	200,990,968
Printing, publishing and allied industries	421	5,369	20,381,322	14,341,382	35,915,363	50,681,031
Iron and steel products	336	9,826	42,839,789	73,041,284	72,480,675	145,139,238
Transportation equipment	108	6,149	27,925,267	16,676,021	42,089,543	59,427,303
Non-ferrous metal products	55	6,905	32,215,443	106,772,194	42,082,917	163,321,860
Electrical apparatus and supplies	42	1,043	4,082,948	11,656,579	8,204,799	19,405,814
Non-metallic mineral products	95	2,048	8,283,391	12,297,638	15,266,797	30,514,674
Products of petroleum and coal	7	1,481	7,134,163	78,603,156	56,884,641	139,719,297
Chemicals and allied products	97	2,562	10,290,338	27,312,311	29,694,150	58,097,132
Miscellaneous industries ³	134	1,142	4,105,334	3,510,191	6,116,660	9,859,242
Totals	4,250	105,631	405,129,932	985,519,123	767,914,301	1,785,298,750

See footnotes at end of table.

TABLE 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1957 — Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number		dollars			
Yukon and Northwest Territories						
Foods and beverages	5	23	66,822	84,312	169,738	269,116
Wood products	11	54	138,955	238,080	231,136	481,678
Miscellaneous industries ¹	6	89	451,988	1,304,919	1,008,817	2,470,474
Totals	22	166	657,765	1,627,311	1,409,691	3,221,268

¹ Confidential. Included with miscellaneous industries.² Publication of these figures is authorized by the firms concerned.³ Includes all groups marked¹.⁴ Included in "All other groups".⁵ Includes printing and publishing, sheet metal products, jewellery and silverware, petroleum products, and acids, alkalies and salts.

The degree of concentration of manufacturing in large units is illustrated in Table 2. In Ontario 40.0 p.c. of all persons engaged in manufacturing were employed in establishments having 500 or more employees as compared with 36.7 p.c. for Canada as a whole. Ontario assumed the premier position in 1956, displacing Newfoundland which formerly ranked first.

Quebec ranked second with 38.2 p.c., followed by Newfoundland with 32.6 p.c., Nova Scotia 32.2 p.c., New Brunswick 28.9 p.c. and British Columbia 28.3 p.c. There were no plants in either Prince Edward Island or Saskatchewan employing 500 or more persons.

TABLE 2. Concentration of Manufacturing Production in Each Province, 1957

Province	Number of establishments employing 500 or more persons	Percentage of total number of establishments in province	Provincial percentage of number of employees accounted for by these establishments
Newfoundland	2	0.2	32.6
Prince Edward Island	—	—	—
Nova Scotia	7	0.5	32.2
New Brunswick	7	0.7	28.9
Quebec	145	1.2	38.2
Ontario	202	1.5	40.0
Manitoba	10	0.6	23.7
Saskatchewan	—	—	—
Alberta	12	0.6	21.5
British Columbia	28	0.7	28.3
Yukon and Northwest Territories	—	—	—
Canada	413	1.1	36.7

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1957

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Canada:						
Under 5 employees	16,044	35,020	65,599,895	8,026,540	216,580,172	350,152,068
5 to 14 employees	9,983	83,030	223,604,630	21,012,211	570,820,427	1,006,880,742
15 " 49 "	6,485	174,415	523,750,692	41,050,770	1,250,812,516	2,273,441,331
50 " 99 "	2,138	148,329	462,719,960	36,550,285	1,151,758,582	2,114,632,432
100 " 199 "	1,213	168,810	549,511,047	51,418,587	1,444,961,603	2,649,482,843
200 " 499 "	771	233,636	840,325,475	108,734,190	2,260,778,962	4,238,979,343
500 " 999 "	280	194,300	758,558,722	122,117,748	2,000,506,921	3,756,430,701
1,000 " 1,499 "	67	82,011	330,857,485	46,111,295	799,311,770	1,537,282,695
1,500 and over	66	221,885	964,915,648	120,267,362	2,199,901,953	4,250,676,530
Not classifiable	828	—	—	—	4,696,797	5,635,626
Head offices ¹	—	17,625	99,784,445	19,800	622,000	—
Totals	37,875	1,359,061	4,819,627,999	553,311,788	11,900,751,703	22,183,594,311
Newfoundland:						
Under 5 employees	763	1,213	893,615	113,992	1,697,382	3,505,157
5 to 14 employees	55	471	973,515	123,214	2,332,503	4,574,751
15 " 49 "	50	1,370	3,587,769	406,336	6,486,294	13,381,773
50 " 99 "	24	1,737	4,320,110	438,250	9,589,445	18,802,669
100 " 199 "	9	1,144	2,103,719	516,065	3,439,581	8,040,492
200 " 499 "	4	4,532	20,840,727	5,755,195	30,428,872	69,383,945
500 " 999 "	1					
1,000 " 1,499 "	1	—	—	—	21,045	25,008
1,500 and over	1	—	—	—	—	—
Not classifiable	9	—	—	—	—	—
Head offices ¹	—	6	63,660	—	—	—
Totals	916	10,473	32,783,715	7,353,052	53,993,122	117,713,795

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1957 — Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value factory shipments
	number			dollars		
Prince Edward Island:						
Under 5 employees	115	218	338,665	53,687	1,995,060	2,781,821
5 to 14 employees	45	377	644,220	112,239	2,915,123	4,250,762
15 " 49 "	27	648	1,135,314	108,684	5,672,149	7,921,478
50 " 99 "	2	420	1,160,623	134,824	7,732,917	9,998,792
100 " 199 "	2					
Not classifiable	2					
Totals	193	1,663	3,278,822	409,434	18,315,249	24,952,853
Nova Scotia:						
Under 5 employees	667	1,410	1,943,129	232,754	4,779,993	8,596,785
5 to 14 employees	364	3,030	6,034,035	791,004	19,874,040	32,978,691
15 to 49 "	173	4,516	10,072,098	1,291,731	28,266,545	47,736,701
50 " 99 "	58	3,964	9,287,084	1,324,373	24,231,023	44,744,786
100 " 199 "	18	2,434	5,978,272	653,401	11,430,871	22,667,490
200 " 499 "	20	5,963	19,891,019	6,497,535	83,333,729	149,250,722
500 " 999 "	4	3,207	9,497,461	1,513,760	12,408,777	33,446,802
1,000 " 1,499 "	1	6,954	27,749,178	3,751,984	53,871,933	87,767,783
1,500 and over	2					
Not classifiable	49				89,932	109,285
Head offices ¹	—	52	182,339	—	—	—
Totals	1,356	31,530	90,634,615	16,056,542	238,286,745	427,299,045
New Brunswick:						
Under 5 employees	520	1,056	1,454,845	197,245	4,609,721	7,502,844
5 to 14 employees	257	2,154	4,437,761	734,903	13,896,800	23,483,098
15 " 49 "	117	3,135	7,102,319	986,984	22,999,265	37,348,518
50 " 99 "	40	2,899	7,198,082	904,813	20,334,725	34,041,694
100 " 199 "	18	2,532	6,615,242	1,130,161	16,168,710	32,202,955
200 " 499 "	9	3,008	10,305,493	2,528,976	27,057,123	44,686,465
500 " 999 "	5	6,055	22,361,849	7,703,409	69,641,680	132,489,948
1,000 " 1,499 "	2					
Not classifiable	13				33,839	39,979
Head offices ¹	—	146	1,009,716	—	—	—
Totals	981	20,985	60,485,307	14,136,491	174,741,863	311,795,501
Quebec:						
Under 5 employees	5,238	11,677	21,702,328	2,671,879	98,406,934	144,064,617
5 to 14 employees	3,163	26,254	65,334,381	5,774,846	192,359,398	322,082,641
15 " 49 "	2,188	59,498	159,120,005	10,723,634	378,307,327	681,434,205
50 " 99 "	695	48,112	133,196,136	9,872,934	316,472,621	589,950,981
100 " 199 "	385	52,371	153,289,634	14,787,882	394,169,106	715,669,575
200 " 499 "	233	71,065	233,367,760	31,213,267	606,790,751	1,154,566,052
500 " 999 "	95	67,126	253,454,900	62,489,055	887,718,883	1,593,402,614
1,000 " 1,499 "	27	33,632	128,085,379	24,218,765	304,426,711	597,518,760
1,500 and over	23	71,072	283,083,614	25,429,010	390,831,867	879,185,205
Not classifiable	203	—	—	—	1,425,201	1,720,406
Head offices ¹	—	8,576	47,194,199	—	—	—
Totals	12,250	449,383	1,477,828,336	187,181,272	3,570,908,799	6,679,595,056
Ontario:						
Under 5 employees	4,875	10,986	23,381,013	2,980,942	69,711,365	117,737,195
5 to 14 employees	3,683	30,810	68,908,057	7,829,010	205,537,535	373,724,949
15 " 49 "	2,611	70,900	229,006,032	18,288,324	535,506,101	993,899,777
50 " 99 "	918	64,068	212,249,880	15,394,131	521,739,601	972,359,031
100 " 199 "	584	82,474	283,318,193	24,300,245	692,345,451	1,308,719,868
200 " 499 "	402	120,616	446,006,800	40,054,215	1,034,497,629	1,995,152,731
500 " 999 "	141	96,321	389,182,878	47,020,219	780,565,474	1,608,984,322
1,000 " 1,499 "	27	32,972	137,707,352	13,942,005	362,037,297	687,706,637
1,500 and over	34	128,725	584,123,127	77,016,811	1,623,107,555	3,017,571,012
Not classifiable	305	—	—	—	2,269,492	2,737,161
Head offices ¹	—	6,373	36,793,132	—	—	—
Totals	13,580	644,245	2,430,676,464	246,825,902	5,827,317,500	11,078,592,683
Manitoba:						
Under 5 employees	708	1,534	2,945,969	355,742	7,623,719	13,588,060
5 to 14 employees	369	3,107	8,270,144	850,711	24,025,693	40,578,957
15 " 49 "	246	6,788	19,246,081	1,502,598	44,565,641	81,071,526
50 " 99 "	113	7,879	24,523,151	1,520,181	60,732,856	109,127,707
100 " 199 "	51	7,245	21,919,064	2,268,023	77,832,464	133,939,702
200 " 499 "	24	6,650	23,809,518	5,621,174	58,894,399	119,492,763
500 " 999 "	6	4,244	16,143,010	985,818	54,153,641	83,561,949
1,000 " 1,499 "	2	6,146	22,036,656	790,197	51,704,110	82,877,500
1,500 and over	2					
Not classifiable	69	—	—	—	266,691	291,572
Head offices ¹	—	291	1,306,663	—	—	—
Totals	1,590	43,884	140,200,256	13,894,544	379,799,214	664,529,736

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and Each Province, Classified by Number of Employees per Establishment, 1957 — Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Saskatchewan:						
Under 5 employees	445	888	1,684,717	211,357	3,674,198	6,894,955
5 to 14 employees	230	1,866	5,043,209	765,260	13,843,138	24,672,760
15 " 49 "	93	2,453	7,943,121	910,481	26,263,753	42,612,864
50 " 99 "	21	1,415	5,268,638	633,930	16,829,378	31,902,120
100 " 199 "	17	2,151	7,251,213	1,251,598	27,084,807	44,875,149
200 " 499 "	9	3,027	12,590,922	5,258,883	101,305,611	155,044,076
Not Classifiable	29	—	—	—	105,852	112,188
Head offices ¹	—	212	1,093,529	—	—	—
Totals	844	12,012	40,875,349	9,031,509	189,106,737	306,115,112
Alberta:						
Under 5 employees	869	1,803	3,260,320	374,273	9,288,496	15,618,085
5 to 14 employees	549	4,433	12,377,932	1,084,844	35,144,132	62,142,606
15 " 49 "	261	6,770	22,223,867	1,898,616	52,612,926	101,108,714
50 " 99 "	78	5,391	18,780,698	1,847,595	55,949,492	101,565,022
100 " 199 "	39	5,344	19,532,146	3,149,178	85,247,809	148,596,970
200 " 499 "	22	6,588	27,091,437	5,911,759	111,475,747	194,735,052
500 " 999 "	11	8,392	31,867,614	1,578,135	111,297,559	160,576,821
1,000 " 1,499 "	1	—	—	—	117,879	137,242
Not classifiable	63	—	—	—	—	—
Head offices ¹	—	368	1,943,424	—	—	—
Totals	1,893	39,089	137,077,438	15,844,400	461,134,040	784,480,512
British Columbia:						
Under 5 employees	1,833	4,207	7,924,766	825,319	14,697,162	29,636,883
5 to 14 employees	1,258	10,454	31,328,333	2,917,456	60,093,680	117,146,039
15 " 49 "	719	18,337	64,314,086	4,983,382	150,132,515	266,924,775
50 " 99 "	188	12,678	47,323,882	4,421,146	123,416,657	208,220,181
100 " 199 "	90	12,817	48,580,446	3,282,045	131,244,844	226,945,150
200 " 499 "	48	15,606	64,847,542	11,490,522	234,624,499	419,970,524
500 " 999 "	18	12,630	50,535,613	4,709,154	110,387,211	196,886,338
1,000 " 1,499 "	6	6,978	31,238,072	1,887,412	40,044,871	96,221,095
1,500 " and over	4	10,323	48,839,409	9,863,235	119,293,775	222,890,153
Not classifiable	86	—	—	—	361,909	457,612
Head offices ¹	—	1,601	10,197,783	19,800	622,000	—
Totals	4,250	105,631	405,129,932	44,399,471	985,519,123	1,785,298,750
Yukon and Northwest Territories:						
Under 5 employees	11	28	70,528	9,350	96,142	225,666
5 to 14 employees	10	138	587,237	169,821	1,531,169	2,995,602
50 " 99 "	1	—	—	—	—	—
Totals	22	166	657,765	179,171	1,627,311	3,221,268

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1957

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Canada:						
Under \$10,000	7,899	10,621	11,476,621	1,240,203	16,067,264	34,865,449
\$ 10,000 to \$ 24,999	5,880	17,572	32,937,979	2,944,058	44,216,534	97,619,212
25,000 " 49,999	5,102	27,355	60,489,548	5,003,424	88,022,807	184,103,978
50,000 " 99,999	4,985	44,170	111,258,244	8,828,229	177,146,974	357,826,787
100,000 " 199,999	4,404	63,644	175,240,994	13,598,269	328,948,365	626,666,020
200,000 " 499,999	4,347	125,835	367,539,098	24,734,446	723,198,775	1,375,174,587
500,000 " 999,999	2,205	129,813	398,433,109	27,270,732	822,344,457	1,555,090,715
1,000,000 " 4,999,999	2,335	348,904	1,174,093,050	92,193,404	2,580,239,428	4,953,233,872
5,000,000 and over	718	573,522	2,388,374,911	379,479,223	7,119,945,099	12,999,013,691
Head offices ¹	—	17,625	99,784,445	19,800	622,000	—
Totals	37,875	1,359,061	4,819,627,999	555,311,788	11,900,751,703	22,183,594,311
Newfoundland:						
Under \$10,000	699	1,010	527,911	72,564	910,835	2,014,432
\$ 10,000 to \$ 24,999	65	207	323,043	24,930	457,242	1,033,461
25,000 " 49,999	33	172	350,211	47,088	551,731	1,155,569
50,000 " 99,999	20	210	480,494	62,720	579,558	1,368,431
100,000 " 199,999	32	751	1,526,142	143,573	2,406,094	4,852,308
200,000 " 499,999	30	1,021	2,595,351	292,471	4,962,287	9,560,837
500,000 " 999,999	23	1,839	3,816,224	482,674	8,186,571	16,544,684
1,000,000 " 4,999,999	12	5,257	23,100,679	6,227,032	35,940,804	81,184,073
5,000,000 and over	2	—	—	—	—	—
Head offices ¹	—	6	63,660	—	—	—
Totals	916	10,473	32,783,715	7,353,052	53,995,122	117,713,795

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1957 - Continued

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Prince Edward Island:						
Under \$10,000	65	79	65, 141	6, 433	116, 742	267, 966
\$ 10,000 to \$ 24,999	30	88	121, 743	16, 066	249, 677	472, 605
25,000 " 49,999	20	105	179, 373	26, 807	455, 872	764, 446
50,000 " 99,999	33	281	464, 141	67, 611	1, 520, 403	2, 375, 585
100,000 " 199,999	22	327	619, 131	69, 052	1, 912, 350	3, 069, 786
200,000 " 499,999	17	415	744, 171	81, 461	3, 732, 841	5, 166, 796
500,000 " 999,999	3					
1,000,000 " 4,999,999	2	368	1, 085, 122	142, 004	10, 327, 364	12, 835, 669
5,000,000 and over	1					
Totals	193	1, 663	3, 278, 822	409, 434	18, 315, 249	24, 952, 853
Nova Scotia:						
Under \$10,000	420	588	464, 617	41, 026	895, 545	1, 741, 347
\$ 10,000 to \$ 24,999	223	657	1, 051, 552	98, 990	1, 760, 055	3, 607, 404
25,000 " 49,999	197	1, 144	1, 981, 089	196, 552	3, 762, 506	7, 219, 135
50,000 " 99,999	166	1, 539	2, 831, 423	312, 323	6, 924, 066	11, 955, 377
100,000 " 199,999	129	2, 088	4, 291, 280	511, 461	10, 045, 399	18, 145, 316
200,000 " 499,999	116	3, 519	7, 853, 538	1, 056, 148	19, 817, 274	35, 737, 127
500,000 " 999,999	49	2, 771	6, 755, 265	1, 049, 316	20, 795, 767	34, 504, 968
1,000,000 " 4,999,999	47	8, 431	23, 715, 804	2, 247, 512	50, 492, 704	98, 543, 144
5,000,000 and over	9	10, 741	41, 607, 708	10, 543, 214	123, 793, 429	215, 845, 227
Head offices ¹	—	52	182, 339	—	—	—
Totals	1, 356	31, 530	90, 634, 615	16, 056, 542	238, 286, 745	427, 299, 045
New Brunswick:						
Under \$10,000	335	497	445, 141	47, 827	724, 885	1, 448, 045
\$ 10,000 to \$ 24,999	145	469	719, 769	71, 404	1, 230, 637	2, 454, 291
25,000 " 49,999	117	624	1, 061, 119	100, 121	2, 309, 655	4, 253, 681
50,000 " 99,999	137	1, 295	2, 652, 936	382, 216	5, 625, 216	9, 889, 543
100,000 " 199,999	90	1, 392	2, 801, 372	443, 766	6, 649, 566	12, 322, 057
200,000 " 499,999	75	2, 162	5, 142, 510	522, 108	13, 215, 418	23, 105, 716
500,000 " 999,999	33	2, 160	5, 339, 935	756, 209	11, 989, 369	21, 856, 638
1,000,000 " 4,999,999	40	6, 246	16, 813, 834	2, 601, 512	43, 451, 539	78, 284, 232
5,000,000 and over	9	5, 994	24, 498, 975	9, 211, 328	89, 545, 578	158, 181, 298
Head offices ¹	—	146	1, 009, 716	—	—	—
Totals	981	20, 985	60, 485, 307	14, 136, 491	174, 741, 863	311, 795, 501
Quebec:						
Under \$10,000	2, 105	2, 873	3, 378, 609	335, 943	4, 986, 936	10, 374, 149
\$ 10,000 to \$ 24,999	1, 999	5, 927	10, 450, 905	895, 450	16, 057, 938	33, 307, 823
25,000 " 49,999	1, 801	9, 813	20, 028, 986	1, 517, 836	31, 948, 365	64, 891, 969
50,000 " 99,999	1, 777	16, 278	36, 958, 968	2, 658, 980	67, 427, 409	128, 104, 035
100,000 " 199,999	1, 521	22, 747	56, 186, 332	3, 736, 003	120, 343, 664	215, 948, 389
200,000 " 499,999	1, 484	45, 145	118, 390, 902	6, 923, 272	253, 456, 903	468, 256, 476
500,000 " 999,999	701	46, 175	125, 451, 766	7, 469, 166	267, 490, 362	496, 498, 145
1,000,000 " 4,999,999	657	107, 122	332, 427, 904	28, 175, 393	731, 079, 318	1, 393, 590, 642
5,000,000 and over	205	184, 727	727, 359, 765	135, 469, 235	2, 078, 117, 904	3, 868, 623, 428
Head offices ¹	—	8, 576	47, 194, 199	—	—	—
Totals	12, 250	449, 383	1, 477, 828, 336	187, 181, 272	3, 570, 908, 799	6, 679, 595, 036
Ontario:						
Under \$10,000	2, 131	2, 722	3, 657, 283	417, 071	4, 392, 590	9, 906, 777
\$ 10,000 to \$ 24,999	1, 974	5, 884	11, 824, 989	1, 070, 326	14, 245, 717	32, 936, 189
25,000 " 49,999	1, 785	9, 350	22, 228, 113	1, 851, 176	29, 955, 160	64, 597, 627
50,000 " 99,999	1, 786	15, 306	42, 054, 520	3, 190, 568	60, 869, 672	128, 027, 223
100,000 " 199,999	1, 690	24, 156	71, 446, 942	5, 367, 931	121, 804, 799	240, 818, 144
200,000 " 499,999	1, 758	51, 440	159, 969, 019	10, 230, 904	284, 031, 998	561, 915, 341
500,000 " 999,999	947	55, 163	182, 358, 604	12, 055, 941	337, 348, 679	671, 203, 572
1,000,000 " 4,999,999	1, 137	172, 381	603, 812, 457	41, 409, 030	1, 235, 279, 558	2, 444, 514, 601
5,000,000 and over	372	301, 471	1, 296, 531, 405	171, 232, 955	3, 739, 389, 327	6, 924, 673, 209
Head offices ¹	—	6, 373	36, 793, 132	—	—	—
Totals	13, 580	644, 245	2, 430, 676, 464	246, 825, 902	5, 827, 317, 500	11, 078, 592, 663
Manitoba:						
Under \$10,000	385	467	524, 814	57, 908	820, 577	1, 716, 961
\$ 10,000 to \$ 24,999	292	851	1, 686, 109	163, 981	2, 172, 053	4, 725, 275
25,000 " 49,999	191	984	2, 301, 652	201, 403	3, 219, 144	6, 781, 081
50,000 " 99,999	161	1, 703	4, 293, 724	330, 783	5, 211, 135	11, 629, 988
100,000 " 199,999	167	2, 329	6, 448, 190	539, 833	12, 323, 109	23, 777, 107
200,000 " 499,999	164	4, 725	13, 194, 650	776, 038	27, 946, 926	50, 813, 324
500,000 " 999,999	106	6, 120	18, 376, 972	1, 225, 753	39, 120, 802	72, 020, 143
1,000,000 " 4,999,999	102	13, 436	43, 746, 815	2, 691, 637	109, 709, 178	199, 074, 777
5,000,000 and over	22	12, 978	48, 320, 667	7, 907, 208	179, 276, 290	293, 991, 080
Head offices ¹	—	291	1, 306, 663	—	—	—
Totals	1, 590	43, 884	140, 200, 256	13, 894, 544	379, 799, 214	664, 529, 736

¹Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to the Selling Value of Factory Shipments per Establishment, 1957 - Concluded

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Saskatchewan:						
Under \$10,000	284	352	357,314	46,696	412,885	977,013
\$ 10,000 to \$ 24,999	138	417	856,048	73,899	759,545	2,190,184
25,000 " 49,999	107	573	1,315,814	125,825	1,566,310	3,855,241
50,000 " 99,999	85	642	1,746,394	183,584	2,734,521	5,786,699
100,000 " 199,999	78	945	2,975,657	444,051	5,467,140	11,177,199
200,000 " 499,999	79	1,608	5,208,856	635,545	15,190,702	25,930,209
500,000 " 999,999	32	1,286	4,100,829	318,210	14,238,387	21,565,948
1,000,000 " 4,999,999	31	2,928	10,302,887	1,528,347	32,407,356	62,279,157
5,000,000 and over	10	3,049	12,918,021	5,675,352	116,329,891	172,353,463
Head offices ¹	—	212	1,093,529	—	—	—
Totals	344	12,012	40,875,349	9,031,509,	189,106,737	306,113,112
Alberta:						
Under \$10,000	524	653	595,099	74,833	879,951	1,947,624
\$ 10,000 to \$ 24,999	288	876	1,740,531	139,893	2,053,682	4,813,073
25,000 " 49,999	237	1,275	2,949,246	221,463	3,664,010	8,574,104
50,000 " 99,999	244	1,968	5,196,911	424,134	8,360,366	17,665,428
100,000 " 199,999	207	2,480	7,476,601	672,211	15,323,946	29,178,303
200,000 " 499,999	180	4,316	14,279,709	1,170,099	29,543,625	56,177,548
500,000 " 999,999	82	3,563	12,299,751	781,643	32,134,796	58,359,040
1,000,000 " 4,999,999	102	12,522	46,136,477	5,407,517	118,962,683	220,130,927
5,000,000 and over	29	11,068	44,459,689	6,952,607	250,210,981	387,634,465
Head offices ¹	—	368	1,943,424	—	—	—
Totals	1,893	39,089	137,077,438	15,844,400	461,134,040	784,480,512
British Columbia:						
Under \$10,000	948	1,375	1,452,012	138,762	1,918,628	4,451,684
\$ 10,000 to \$ 24,999	722	2,186	4,149,384	388,379	5,204,608	12,024,378
25,000 " 49,999	608	3,287	7,993,499	704,465	10,516,936	21,785,641
50,000 " 99,999	570	4,909	14,472,387	1,199,940	17,709,282	40,595,904
100,000 " 199,999	467	6,416	21,419,347	1,666,188	32,605,298	67,223,418
200,000 " 499,999	444	11,484	40,160,392	3,046,400	71,300,801	138,511,213
500,000 " 999,999	228	10,665	39,734,020	3,105,311	88,476,712	159,503,120
1,000,000 " 4,999,999	204	23,830	91,890,397	7,311,639	247,414,323	434,138,865
5,000,000 and over	59	39,878	173,660,711	26,818,587	509,750,535	907,064,527
Head offices ¹	—	1,601	10,197,783	19,800	622,000	—
Totals	4,250	105,631	405,129,932	44,399,471	985,519,123	1,785,298,750
Yukon and Northwest Territories:						
Under \$10,000	3	5	8,680	1,140	7,690	19,451
\$ 10,000 to \$ 24,999	4	10	13,906	740	25,380	54,529
25,000 " 49,999	6	28	100,446	10,688	73,118	225,484
50,000 " 99,999	6					
100,000 " 199,999	1	123	534,733	166,603	1,521,123	2,921,804
500,000 " 999,999	1					
1,000,000 " 4,999,999	1					
Totals	22	166	657,765	179,171	1,627,311	3,221,268

¹ Under this heading are included only those head offices that are not located at the plant.

SECTION 2. THE MANUFACTURES OF THE ATLANTIC PROVINCES

The Atlantic Provinces are of economic importance in a number of fields, such as pulp and paper, fish processing, sawmills and primary iron and steel. In Newfoundland manufacturing production is dominated by the forest and fisheries resources. Pulp and paper was the most important industry in 1957 with shipments valued at \$63,302,987, followed by fish processing with \$16,408,800. These two industries accounted for 68 per cent of the total production of the Province. In Prince Edward Island agriculture and fishing resources make butter and cheese, slaughtering and meat packing, and fish processing the leading industries. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forests and agricultural lands and is favoured with easy access by sea to the high-grade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of primary iron and steel, fish processing, pulp and paper, shipbuilding and sawmills. In addition, an important petroleum refinery, railway rolling stock, coke and gas, miscellaneous iron and steel and aircraft plants add to the diversification of the Province. The forests of New Brunswick give a leading place to its pulp and

paper and sawmilling industries. Other important manufacturing and processing activities are based on fish and agricultural resources. There are also a number of metal working industries, such as heating and cooking apparatus, brass and copper products, etc.

Nova Scotia and New Brunswick, despite the lack of large rivers, have valuable sources of hydraulic power, a considerable portion of which has been developed. Tentative estimates give Newfoundland a potential of almost 1,000,000 h.p. at ordinary minimum flow, while in Labrador, the Hamilton River is outstanding as a potential source of power. Turbine installation at the end of 1957 totalled 337,970 h.p. in Newfoundland, 1,882 in Prince Edward Island, 181,958 in Nova Scotia and 209,130 in New Brunswick. Compared with Quebec, Ontario and British Columbia, the installed power in the Atlantic Provinces, is very small, amounting to 730,940 h.p. This compares with a total of 1,221,745 in the Prairie Provinces and 19,916,008 in the whole of Canada.

Manufacturing establishments reporting in 1957 numbered 3,446 for the Atlantic Provinces as a whole. These plants furnished employment to 64,651 persons who received \$187,182,459 in salaries and wages. They also shipped goods with a selling value at the factory of \$881,761,194 and spent \$485,338,979 for materials, while the value added by manufacture totalled \$362,353,683.

Considering the Atlantic Provinces as an economic unit, pulp and paper was the leading industry in 1957 with factory shipments valued at \$179,676,000. Fish processing and packing with factory shipments valued at \$81,181,000 was in second place. Other leading industries, in order of importance and with shipments exceeding \$30,000,000, were: petroleum products, primary iron and steel, sawmills, sugar refining and railway rolling stock. These seven industries accounted for 58 p.c. of the total value of factory shipments of the Atlantic Region. Other leading industries with shipments of \$10 to \$30 million and in order of importance, were: butter and cheese, ship-building and repairs, bread and other bakery products, slaughtering and meat packing, miscellaneous food preparations, sash, door and planing mills, printing and publishing, coke and gas products, breweries, prepared stock and poultry feeds, carbonated beverages and miscellaneous iron and steel products.

For the Atlantic Provinces as a whole there was a drop of 1.1 p.c. in the number of persons employed and an increase of 4.6 p.c. in the value of factory shipments in 1957 as compared with the previous year. Not all industries, however, shared in the increased shipments. Most of the seven leading industries reported increased shipments in 1957, ranging from 37.6 p.c. for petroleum products to 3.5 p.c. for railway rolling stock. Pulp and paper was down 6.2 p.c. while fish processing and

packing remained practically unchanged. For the leading industries with shipments of \$10 to \$30 million the trend was mixed. Increases were reported by seven industries, ranging from 23.8 p.c. for coke and gas products to 2.7 p.c. for printing and publishing. The remaining five industries in the \$10 to \$30 million class reported decreased shipments. The greatest decline of 11.0 p.c. was reported by sash, door and planing mills and the lowest decline of 0.2 p.c. by the miscellaneous iron and steel products industry. A notable feature of the 1957 manufacturing operations in the Atlantic Provinces was the continuing expansion in the petroleum products industry in Nova Scotia, with shipments increasing 38 p.c. over the previous year.

In the Atlantic region the program of industrial development has been more selective than in some of the other provinces. Fish processing, new sawmills, increased pulp-making capacity and the manufacture of non-metallic building materials like cement and gypsum products have accounted for well over half of the industrial growth. There are however, a few outstanding exceptions. Two sizeable defence plants have been established in Nova Scotia, one to repair and overhaul naval aircraft and the other to build and repair radar and related electronic equipment. Considerable development has taken place in Newfoundland. Besides plants for the manufacture of cement and gypsum wallboard and plaster, factories for producing boots and shoes, birch veneer, leather goods, industrial machinery and a leather tannery were established, thus broadening the industrial base of the province. With these exceptions, most of the developments in the Atlantic Provinces have been either small and scattered or confined to the modernization and expansion of manufacturing facilities that were already established at the close of World War II.

Principal Statistics of the Atlantic Provinces, 1957

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			thousands of dollars		
Newfoundland	916	10,473	32,784	53,995	56,544	117,714
Prince Edward Island	193	1,663	3,279	18,315	6,580	24,953
Nova Scotia	1,356	31,530	90,635	238,287	175,683	427,299
New Brunswick	981	20,985	60,485	174,742	123,547	311,795
Total	3,446	64,651	187,183	485,339	362,354	881,761

In spite of the rapid development in the Atlantic Provinces since 1949 manufacturing production did not quite keep pace with the development in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by a slight drop in the Atlantic Provinces' share of the Canadian total from 4.52 in 1949 to 3.97 in 1957. In number of persons employed there was an increase of 1.3 per cent for the Atlantic Provinces as compared with an increase of 15.8 per cent for Canada as a whole. For salaries and wages paid the increase was 57.2 per cent as compared with 85.8 per cent for Canada, and in selling value of factory shipments the increase was 53.3 per cent for the Atlantic Provinces and 77.6 per cent for Canada as a whole. The increased employment since 1949 reported by Newfoundland and Nova Scotia was offset by

declines in Prince Edward Island and New Brunswick, resulting in a net increase of only 1.3 p.c. for the Atlantic Provinces as compared with an increase of 15.8 p.c. for Canada.

As mentioned previously, the drop in manufacturing employment in 1957 in the Atlantic Provinces was 1.1 p.c., accompanied by an increase in the selling value of factory shipments of 4.6 p.c. This compares with an increase of 0.4 p.c. in employment and 2.5 p.c. in factory shipments for Canada as a whole. Nova Scotia manufacturers operated at a higher level in 1957 with an increase of 1.9 p.c. in employment and 11.2 p.c. in selling value of factory shipments. Both Newfoundland and New Brunswick reported decreases in employment and shipments, while Prince Edward Island, although reporting lower employment, nevertheless reported slightly higher shipments.

Variation in Employment and Factory Shipments, 1957 Compared with 1949

Province	Employees	Salaries and wages	Selling value of factory shipments
	per cent		
Newfoundland ¹	+16.5	+85.6	+50.6
Prince Edward Island	- 4.8	+53.7	+37.7
Nova Scotia	+ 7.6	+65.7	+72.6
New Brunswick	-10.5	+36.8	+34.7
Atlantic Provinces	+ 1.3	+57.2	+53.3
Canada	+15.8	+85.8	+77.6

¹ Exclusive of fish processing.

TABLE 5. Principal Statistics of the Leading Industries of Newfoundland, 1957

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Pulp and paper ¹	2	3,419	18,425,743	27,629,298	30,607,894	63,302,987
2	Fish processing.....	36	2,395	4,048,600	9,432,500	6,266,298	16,408,800
3	Breweries.....	3	199	668,689	875,314	2,776,213	3,705,076
4	Bread and other bakery products.....	14	302	800,538	1,818,912	1,479,122	3,405,221
5	Sash, door and planing mills.....	25	270	870,955	1,747,979	1,005,864	2,880,113
6	Sawmills.....	695	1,078	632,069	1,191,537	1,305,538	2,582,405 ²
7	Carbonated beverages.....	10	133	345,624	951,283	1,497,978	2,512,424
8	Printing and publishing.....	6	272	876,278	394,565	1,596,194	2,047,549
9	Biscuits.....	3	178	372,304	590,793	832,153	1,454,484
10	Other leading industries ³	9	860	2,812,148	5,254,160	4,737,829	10,429,208
	Totals, leading industries.....	803	9,106	29,652,948	49,886,341	52,105,083	106,728,267
	Totals, all industries.....	916	10,473	32,783,715	53,995,122	56,543,792	117,713,795

¹ Publication of these figures was authorized by the firms concerned.² Reported on a production basis.³ Includes: Dairy products, n.e.s.; Cement, hydraulic; Gypsum products; Miscellaneous food preparations; Paints, varnishes and lacquers; Railway rolling stock; Slaughtering and meat packing.

TABLE 6. Principal Statistics of the Leading Industries of Prince Edward Island, 1957

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Butter and cheese.....	17	174	405,444	4,296,380	861,036	5,069,995
2	Fish processing.....	27	409	478,900	2,854,200	700,507	3,615,700
3	Feeds, stock and poultry, prepared.....	12	56	99,325	711,873	187,787	920,995
4	Fruit and vegetable preparations.....	6	88	104,967	529,258	232,426	817,928
5	Printing and publishing.....	3	154	365,813	159,983	585,250	762,359
6	Milk pasteurizing plants.....	11	41	121,679	354,053	239,308	614,212
7	Sawmills.....	58	107	111,125	277,347	273,641	563,388 ²
8	Other leading industries ¹	4	274	874,447	8,235,253	2,292,768	10,391,125
	Totals, leading industries.....	138	1,303	2,561,700	17,418,147	5,372,723	22,755,702
	Totals, all industries.....	193	1,663	3,278,822	18,315,249	6,579,507	24,932,833

¹ Includes: Bags, cotton and jute; Fertilizers; Slaughtering and meat packing.² Reported on a production basis.

TABLE 7. Principal Statistics of the Leading Industries of Nova Scotia, 1957

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Primary iron and steel.....	3	4,579	18,702,599	33,496,173	19,518,291	55,145,123
2	Fish processing.....	126	4,037	7,861,400	29,773,400	13,549,661	43,901,800
3	Shipbuilding.....	18	2,753	9,723,856	8,721,993	13,860,655	22,988,131 ¹
4	Pulp and paper.....	4	1,254	4,742,462	8,428,757	11,836,552	21,851,807
5	Sawmills.....	526	2,416	3,628,608	9,937,770	7,351,307	17,579,418 ¹
6	Butter and cheese.....	21	701	1,901,399	7,657,241	3,510,142	11,445,651
7	Bread and other bakery products.....	73	858	2,059,890	4,646,660	3,843,018	8,813,141
8	Sash, door and planing mills.....	60	767	1,832,324	4,723,550	2,665,158	7,506,406
9	Printing and publishing.....	27	847	2,858,529	1,518,504	5,512,714	7,132,900
10	Milk pasteurizing plants.....	29	414	1,248,148	4,090,439	2,020,439	6,359,706
11	Knitted goods, other than hosiery.....	3	858	1,890,512	3,382,326	2,938,724	8,316,220
12	Confectionery.....	5	901	1,412,843	3,301,479	2,231,258	5,528,557
13	Fruit and vegetable preparations.....	17	588	1,042,122	3,699,767	2,029,007	5,383,343
14	Feeds, stock and poultry, prepared.....	16	107	246,774	3,718,263	760,548	4,534,498
15	Carbonated beverages.....	29	289	724,995	1,528,119	2,791,466	4,468,675
16	Miscellaneous food preparations.....	12	215	481,347	2,740,831	1,555,194	4,315,668
17	Machinery, industrial.....	5	403	1,253,635	1,188,912	1,808,618	3,090,796
18	Slaughtering and meat packing.....	4	60	145,836	1,882,149	263,415	2,184,138
19	All other leading industries ²	18	5,113	18,508,444	86,702,697	59,325,505	152,279,530
	Totals, leading industries.....	996	27,140	80,063,723	221,117,030	157,371,667	390,825,508
	Totals, all industries.....	1,356	31,530	90,634,615	238,286,745	175,682,924	427,299,045

¹ Reported on a production basis.² Includes: Breweries; Cotton yarn and cloth; Boxes and bags, paper; Bridge and structural steel work; Wire and wire goods; Miscellaneous iron and steel products; Aircraft and parts; Railway rolling stock; Salt; Coke and gas; and Petroleum products.

TABLE 8. Principal Statistics of the Leading Industries of New Brunswick, 1957

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Pulp and paper	7	4,071	18,245,012	43,732,815	41,885,431	94,521,304
2	Sawmills	336	2,390	4,412,561	11,665,522	8,400,536	20,330,734 ¹
3	Fish processing	123	2,149	3,246,800	11,020,100	5,977,200	17,255,100
4	Slaughtering and meat packing	3	384	1,525,337	9,585,635	1,934,150	11,587,358
5	Butter and cheese	30	456	1,266,123	7,954,691	3,093,004	11,431,013
6	Miscellaneous food preparations	13	394	739,782	8,394,946	2,929,442	11,222,778
7	Bread and other bakery products	59	942	2,172,231	4,966,083	4,641,281	10,027,414
8	Sash, door and planing mills	68	679	1,634,146	4,798,568	2,330,225	7,249,720
9	Feeds, stock and poultry, prepared	14	179	483,077	5,430,699	886,532	6,414,740
10	Heating and cooking apparatus	3	694	1,893,636	2,630,604	3,652,101	6,193,578
11	Printing and publishing	19	648	1,931,630	1,029,066	3,317,982	4,423,812
12	Fertilizers	3	122	389,650	2,978,133	931,614	3,862,744
13	Carbonated beverages	25	216	573,612	1,026,657	1,962,133	3,119,747
14	Boxes and bags, paper	10	214	531,100	1,813,726	1,154,798	2,991,988
15	Biscuits	3	224	525,644	1,427,463	1,078,827	2,658,913
16	Confectionery	5	331	647,907	1,201,622	1,171,596	2,397,056
17	Milk pasteurizing plants	21	143	394,281	1,322,570	788,325	2,210,797
18	Footwear, leather	3	296	605,040	1,055,742	1,028,291	2,112,613
19	Other leading industries ²	10	3,833	12,665,729	41,712,362	24,948,718	68,849,757
	Totals, leading industries	755	18,365	53,883,298	163,747,004	112,112,186	288,860,266
	Totals, all industries	981	20,985	60,485,307	174,741,863	123,547,460	311,795,501

¹ Reported on a production basis.² Includes: Breweries; Brass and copper products; Brooms, brushes and mops; Cement, hydraulic; Railway rolling stock; Shipbuilding and Sugar refining.

SECTION 3. THE MANUFACTURES OF QUEBEC

Quebec with about 30 per cent of Canada's total selling value of factory shipments ranks as the second largest industrial province in Canada. The manufacturing industries of Quebec in 1957 shipped goods with a record selling value at the factory of \$6,679,595,056 and represents an increase of 0.9 p.c. over the previous year. Accompanying the increase in shipments was an increase of 0.7 p.c. in the number of persons employed which totalled 449,383. Although the value of factory shipments in 1957 was 24.0 p.c. higher than in 1953 the number of persons employed increased only by 1.8 p.c. This result conforms to the trend in recent years for employment to increase at a lower rate than volume of production. With the increase in automation and technological improvements this trend will in all probability continue at a more accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 42.5 p.c. in the volume of production as compared with an increase of only 16.0 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no comparison can be made for Quebec. There is no doubt, however, that the volume of production in Quebec in 1956 was the highest on record. In view of the drop of 1.8 p.c. in the volume of production in 1957 for Canada as a whole in spite of an increase of 0.4 p.c. in the number of employees, it is most likely that the volume of production in Quebec in 1957 was also slightly lower than in the previous year.

The recovery from the minor recession of 1954, which began in 1955, continued at an accelerated pace in 1956. This expansion in manufacturing production continued until the fall of 1957 when another downturn began. In spite of this slowing down in production the manufacturing industries of Quebec managed to record a small increase of 0.9 p.c. in employment and 0.7 p.c. in the selling value of factory shipments in 1957 as compared with the record highs reported the previous year. The non-durable goods industries which contribute 65 p.c. of the total manufacturing production of the province reported an increase in 1957 of 4.1 p.c. in the selling value of factory shipments and 0.6 p.c. in the number of persons employed. The durable goods industries on the other hand reported a drop of 4.6 p.c. in shipments with an increase of 1.0 p.c. in number of employees.

On the basis of employment provided, the non-durable or consumer goods industries in 1957 contributed 278,775 or 62 p.c. of the total manufacturing employment in Quebec, while the durable goods industries contributed the balance of 170,608 or 38 p.c. of the total. The clothing industries constituted the leading group in the non-durable goods sector with 56,838 employees. They were followed by foods and beverages with 48,593, textiles 38,556, paper products 36,724, chemicals and allied products 21,835, printing, publishing and allied industries 20,638, leather products 16,253, miscellaneous industries 10,996, knitting mills 10,367, tobacco and tobacco products 8,018, rubber goods 6,430, and products of petroleum and coal 3,527. In the durable goods sector the industries producing iron and steel products with 45,997 employees ranked as the major group. This was followed by transportation equipment with 37,906, wood products 32,941, electrical apparatus and supplies 24,106, non-ferrous metal products 17,673 and non-metallic mineral products 11,985.

In the non-durable sector the trend in physical output as represented by the variation in the number of employees was mixed in 1957. As compared with the previous year six of the groups reported increases and the other six reported declines. The printing and publishing group with an increase of 5.6 p.c. in the number of employees reported the greatest increase in production. This was followed by tobacco and tobacco products with an increase of 5.4 p.c., miscellaneous industries 4.5 p.c., foods and beverages 3.0 p.c., chemicals and allied products 3.0 p.c. and clothing 0.6 p.c. The greatest decline of 6.5 p.c. was reported by the rubber products group, followed by products of petroleum and coal with 3.7 p.c., textiles 3.0 p.c., leather products 2.5 p.c., paper and paper products 1.3 p.c. and knitting mills 1.2 p.c. The trend of employment in the durable goods sector was also mixed. The greatest increase was reported by the transportation equipment group, viz. 11.7 p.c. This was followed by iron and steel products with 3.1 p.c., and non-metallic mineral products 1.7 p.c. Three groups in this sector reported declines. The non-ferrous metal products group with a drop of 9.9 p.c. in employment reported the greatest loss. Wood products reported a drop of 5.0 p.c. and electrical apparatus and supplies 0.8 p.c.

The change in the pattern of manufacturing employment in Quebec between 1953 and 1957 is illustrated in the table below. As a result of an increase of 2.4 p.c. in employment, the non-durable goods industries bettered their position with an increase to 62 p.c. of the total employment in 1957 from 61.6 p.c. in 1953. The durable goods industries also reported an increase in employment of 0.7 p.c., but their share of the total dropped to 38 p.c. from 38.4 p.c. For the non-durable

goods industries increases in employment ranged from 15.9 p.c. for printing, publishing and allied industries to 0.9 p.c. for knitting mills. Four groups reported declines which ranged from 10.1 p.c. for products of petroleum and coal to 4.7 p.c. for clothing. In the durable goods sector the variations ranged from an increase of 19.1 p.c. for non-metallic mineral products to a decline of 13.3 p.c. for transportation equipment.

Pattern of Manufacturing Employment in Quebec, 1957 and 1953

	Employees		Percentage of the total	
	1957	1953	1957	1953
Non-durable goods:				
Foods and beverages	48,593	48,929	10.8	10.2
Tobacco	8,018	7,503	1.8	1.7
Rubber products	6,430	6,283	1.4	1.4
Letter products	16,253	17,855	3.6	4.0
Textiles	38,556	41,009	8.6	9.3
Knitting mills	10,367	10,274	2.3	2.3
Clothing	56,838	59,611	12.6	13.5
Paper products	36,724	32,476	8.2	7.4
Printing, publishing and allied industries	20,638	17,806	4.6	4.0
Products of petroleum and coal	3,527	3,924	0.8	0.9
Chemicals and allied products	21,835	20,649	4.9	4.7
Miscellaneous industries	10,996	9,890	2.4	2.2
Total	278,775	272,209	62.0	61.6
Durable goods:				
Wood products	32,941	33,972	7.3	7.7
Iron and steel products	45,997	42,683	10.3	9.7
Transportation equipment	37,906	43,745	8.4	9.9
Non-ferrous metal products	17,673	18,426	3.9	4.2
Electrical apparatus and supplies	24,106	20,458	5.4	4.6
Non-metallic mineral products	11,985	10,062	2.7	2.3
Total	170,608	169,346	38.0	38.4
Grand total	449,383	441,555	100.0	100.0

Quebec has developed its \$6.7 billion manufacturing output with such leading industries as pulp and paper, non-ferrous metal smelting and refining, petroleum products, slaughtering and meat packing, cotton yarn and cloth, men's and women's clothing, tobacco, cigars and cigarettes, synthetic textiles and silk, railway rolling stock, leather footwear and miscellaneous electrical apparatus. In common with the rest of Canada, Quebec experienced a great industrial expansion following the second World War. Nor was this expansion confined to the existing industrial areas, but spread to many towns and villages in the accessible areas of the province.

Quebec's leading industry is pulp and paper with an output of approximately \$596 million in 1957. Quebec is a principal world centre for the production of newsprint with 56 major pulp and paper plants concentrated in the Trois Rivières and Shawinigan Falls districts as well as along the Saguenay, Ottawa, and St. Lawrence rivers. The production of non-ferrous metals has expanded considerably during the past decade. The output of aluminum in Canada has made impressive strides during the past years and reached a record total of 620,000 tons in 1956. In 1957, however, the output dropped to 557,000 tons. Quebec, with its new furniture factories, its new titanium smelter and its expanded aluminum-making facilities, is challenging Ontario's long established lead in a number of the wood and non-ferrous metal products industries.

There are several important factors which contributed to the great industrial development of the Province. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where seagoing vessels of heavy tonnage can dock. There is also an extensive highway system linking the small rural areas to the big industrial centres. Other significant factors include abundant forest resources, water power, minerals, agricultural lands and, of even more importance, an industrious and stable population.

Quebec is the richest of Canada's provinces in water power resources and has sufficient reserves of undeveloped power to meet its foreseeable needs for some years to come. Its present installation approaching 9,000,000 h.p. is about 45 p.c. of the Canadian total. The province continued to extend its hydro-electric power facilities during 1957 with a net capacity increase of 473,900 h.p. The Quebec Hydro-Electric Commission completed the installation of the fourth and fifth 150,000 h.p. units in its Bersimis I development on the Bersimis River where the ultimate capacity of the underground powerhouse will be 1,200,000 h.p. At Beauharnois on the St. Lawrence River construction of the third and final section of the Commission's powerhouse moved ahead, and the completion of the entire plant, with a total installed capacity of 2,235,000 h.p. is expected in 1960. The Shipshaw plant of the Aluminum Company of Canada on the Saguenay River is rated at 1,200,000 h.p., while the seven hydro-electric plants of the Shawinigan Water and Power Company on the St. Maurice River have a total capacity of 1,695,000 h.p. Quebec thus excels in both the size of its hydro-electric installations as well as in the magnitude of horse-power developed.

Two of the most important industrial developments in Quebec today are the Ungava iron ore project and the new titanium industry. With the exploitation of the Ungava iron deposits on which it is believed, the future of the great steel industries of this Continent rests, Quebec's industrial base is being expanded to the point where the future industrial development of this Province is well assured.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position. Fifty years ago this industry had hardly come into existence in the Province and in the mid-1920's the annual gross value of production had not yet reached \$100,000,000. By the end of 1957 it accounted for about 9 p.c. of the gross value of Quebec's manufactures and for about 42 p.c. of the Canadian total for this industry.

Other large industries in which Quebec predominates, with their percentage of the Canadian total, are: tobacco, cigars and cigarettes 91.2, women's factory clothing 70.1, cotton yarn and cloth 68.7; men's factory clothing 54.2; synthetic textiles 50.5; miscellaneous electrical apparatus and supplies 48.3; railway rolling stock 43.5; shipbuilding and repairs 42.8; pulp and paper 42.2; aircraft and parts 38.1; acids, alkalies and salts 37.2; petroleum products 36.4; brass and copper products 36.4; non-ferrous metal smelting and refining 35.8; miscellaneous chemical products 35.8; and furniture 34.0. Two medium-sized industries with Canada shipments of over \$100,000,000 also predominate in Quebec. These were leather footwear with 56.3 and medicinal and pharmaceutical preparations 44.9.

Quebec also predominates in a large number of the smaller industries. The candle industry with 94.9 p.c. of the Canadian total was the leading industry in this category. Other industries with their percentages of the total are: men's clothing contractors 93.5; oiled and waterproofed clothing 90.8; women's clothing contractors 85.9; cotton thread 80.5; children's clothing 77.5; embroidery, pleating and hemstitching 74.7; narrow fabrics 74.1; dyeing and finishing of textiles 73.0; lasts, trees and shoe findings 70.1; oilcloth, linoleum and other coated fabrics 69.5; process cheese 69.4; fur dressing and dyeing 68.6; miscellaneous clothing 67.3; boot and shoe findings, leather 67.2; artificial flowers and feathers 62.0; fur goods 59.4; miscellaneous textiles 57.7; corsets 57.1; asbestos products 53.9, buttons, buckles and fasteners 51.0, and woollen cloth 40.3.

Manufacturing establishments reporting in 1957 numbered 12,250. These plants furnished employment to 449,383 persons who received \$1,477,828,336 in salaries and wages. They also shipped goods with a selling value at the factory of \$6,679,595,056 and spent \$3,570,908,799 for materials. The value added by manufacture totalled \$2,947,897,608.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products. The figures for value added in 1954 and subsequent years are, therefore, comparable with 1951 and prior years.

TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1957

No.	Industries	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Pulp and paper	56	27,964	129,124,788	257,397,691	292,451,948	596,214,819
2	Petroleum products	8	2,852	15,693,245	300,825,529	180,498,932	500,244,115 ¹
3	Non-ferrous metal smelting and refining	10	10,315	44,655,322	285,771,624	143,437,922	457,853,980 ¹
4	Miscellaneous electrical apparatus and supplies	42	14,941	58,639,081	81,023,908	100,040,760	184,176,139
5	Slaughtering and meat packing	44	4,895	17,386,820	153,012,296	28,110,858	182,074,578
6	Clothing, women's, factory	425	17,487	43,587,855	95,369,384	76,449,469	172,068,261
7	Railway rolling stock	6	12,649	46,155,300	104,999,779	61,159,451	168,244,558 ¹
8	Tobacco, cigars and cigarettes	23	7,664	27,109,628	92,328,036	73,885,492	166,675,569
9	Aircraft and parts	23	15,816	68,112,308	55,738,069	104,422,789	161,673,194 ¹
10	Cotton yarn and cloth	21	13,768	36,968,661	92,234,469	55,501,186	150,304,074
11	Clothing, men's, factory	315	15,981	38,336,383	87,214,951	60,627,526	147,633,189
12	Butter and cheese	572	4,917	13,567,001	111,472,574	25,708,962	139,089,040
13	Machinery, industrial	60	9,145	34,751,742	47,362,001	66,726,795	111,807,086
14	Miscellaneous food preparations	86	2,802	9,151,529	69,770,424	35,127,849	105,510,418
15	Furniture	642	11,417	32,023,783	51,867,853	51,948,521	104,617,950
16	Bread and other bakery products	932	10,418	27,172,519	45,572,498	43,166,386	92,315,783
17	Sawmills	1,431	8,615	17,114,084	54,638,552	32,279,461	88,048,397 ¹
18	Synthetic textiles and silk	29	10,057	30,759,846	41,953,745	41,448,873	82,785,378
19	Primary iron and steel	16	4,621	19,432,890	32,097,677	47,033,842	82,580,076
20	Boxes and bags, paper	67	5,158	15,657,362	49,454,727	29,996,668	80,707,675
21	Acids, alkalies and salts	17	4,244	20,067,535	36,144,384	38,154,629	80,285,049
22	Footwear, leather	148	11,866	27,286,722	40,379,370	39,761,531	80,102,631
23	Miscellaneous chemical products, n.e.s.	87	6,369	23,362,025	44,203,697	30,926,433	78,830,645
24	Printing and publishing	80	7,140	28,376,281	22,165,858	52,947,873	75,562,618
25	Sheet metal products	100	4,996	19,270,248	37,249,284	35,111,708	74,248,554
26	Shipbuilding	11	7,973	28,944,247	32,585,379	38,159,414	71,582,790 ¹
27	Feeds, stock and poultry, prepared	323	1,995	5,075,725	55,617,087	13,815,798	70,537,818
28	Bridge and structural steel work	14	5,315	23,260,648	38,271,105	30,104,470	69,028,063 ¹
29	Printing and bookbinding	638	7,915	26,211,167	24,921,108	41,521,993	66,977,222
30	Brass and copper products	40	2,754	11,061,082	44,177,297	21,119,477	66,387,669
31	Medicinal and pharmaceutical preparations	88	4,009	14,647,664	20,677,897	42,082,965	62,921,136
32	Breweries	5	2,518	11,036,337	18,349,394	41,452,290	60,646,983
33	Rubber goods, including footwear	34	6,430	20,446,898	26,093,702	31,723,275	59,707,499
34	Carbonated beverages	185	2,739	8,638,820	17,613,469	37,826,761	56,780,719
35	Sash, door and planing mills	772	5,638	13,564,092	32,534,677	22,464,129	56,218,896
36	Distilled liquors	8	2,286	8,875,017	16,846,196	33,185,357	49,696,723
37	Knitted goods, other than hosiery	81	5,338	11,544,180	29,142,253	21,213,980	49,314,604
38	Wire and wire goods	36	3,037	12,030,295	27,131,666	20,564,157	47,998,835
39	Concrete products	220	3,371	11,279,238	24,224,348	21,248,222	47,367,268
40	Castings, iron	56	3,932	14,943,566	21,464,135	24,292,143	46,166,960
	Totals, leading industries, listed ²	7,751	311,347	1,065,321,934	2,719,898,093	2,187,700,295	5,045,668,961
	Totals, all industries	12,250	449,383	1,477,828,336	3,570,908,799	2,947,897,608	6,679,595,056

¹ Reported on a production basis.

² Sugar refining is also a leading industry. Statistics, however, are confidential.

SECTION 4. THE MANUFACTURES OF ONTARIO

In spite of the minor downturn in production which began in the fall of the year, the manufacturing industries of Ontario in 1957 reported \$11,078,592,683 as the selling value of factory shipments, an increase of 4.0 p.c. over the previous year. This is the first time that shipments passed the eleven billion mark and accordingly are the highest on record. Accompanying the increase in shipments was an increase of 0.5 p.c. in the number of employees which totalled 644,245 in 1957, also a record. Although the selling value of factory shipments in 1957 exceeded the 1953 figure by 25 p.c., the number of persons employed was only 9,691 or 1.5 p.c. higher. This result conforms to the trend in recent years for employment to increase at a lower rate than the volume of production. With the increase in automation and technological improvements this trend will in all probability continue at a more accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 42.5 p.c. in the volume of production as compared with an increase of only 16.0 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no comparison can be made for Ontario. There is no doubt, however, that the volume of production in Ontario in 1956 was the highest on record. In view of the drop of 1.8 p.c. in the volume of production in 1957 for Canada as a whole in spite of an increase of 0.4 p.c. in the number of employees, it is most likely that the volume of production in Ontario in 1957 was also slightly lower than that of the previous year.

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the decisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable advantage of bordering on the St. Lawrence-Great Lakes waterway system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity. Many new industrial areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

As Ontario is a major producer of durable goods, such as transportation equipment, primary iron and steel, telecommunication equipment and heavy electrical machinery, it therefore experiences wider fluctuations in manufacturing production than provinces producing non-durable or consumer goods. As a result, the small downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 p.c. lower as compared with a drop of 1.3 p.c. for Canada as a whole, while in employment the drop in Ontario was 5.6 p.c. while for Canada it was 4.5 p.c. Conversely, with the improvement during the past three years Ontario in 1957 reported an increase of 29.8 p.c. in factory shipments and 7.6 p.c. in employment as compared with 1954. This compares with increases of 26.4 p.c. and 7.2 p.c. for Canada as a whole.

On the basis of employment provided, the durable goods industries in 1957 contributed 343,363 or 53.3 p.c. of the total manufacturing employment in Ontario, while the non-durable or consumer goods industries contributed the balance of 300,882 or 46.7 p.c. of the total. Iron and steel is the leading group in the durable goods sector with 123,601 employees in 1957. It was followed by the transportation equipment group with 82,127, electrical apparatus and supplies 54,622, wood products 35,165, non-ferrous metal products 27,760, and non-metallic mineral products 20,088. In the non-durable goods sector the industries producing foods and beverages with 79,617 employees comprised the major group. This was followed by printing, publishing and allied industries with 37,276, paper products 36,423, textiles 27,145, chemicals and allied products 26,836, clothing 24,711, miscellaneous industries 21,060, rubber goods 15,679, leather and leather products 13,074, knitting mills 9,792, products of petroleum and coal 7,936, and tobacco and tobacco products 1,873.

As mentioned previously manufacturing employment in Ontario increased by 0.5 p.c. in 1957 as compared with the previous year. Producers of non-durable goods reported an increase of 3.0 p.c., while the producers of durable goods in which Ontario leads reported a drop of 1.6 p.c. This is a reflection of the downturn in production which began in the fall of the year. Most of the groups in the durable goods sector reported declines in employment with the wood products group reporting the greatest loss of 5.2 p.c. Non-ferrous metals and iron and steel products on the other hand reported slightly higher employment. In the non-durable goods sector the trend of employment was also mixed. Most of the groups reported increases, ranging from 8.9 p.c. for foods and beverages to 1.0 p.c. for leather and leather products. Five of the groups of this sector reported losses in employment. Tobacco and tobacco products suffered the greatest decline of 5.8 p.c. and the products of petroleum and coal group the smallest decline of 0.8 p.c.

Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1957 produced about 50 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments of Steep Rock Iron Mines. At Sarnia, huge investments have gone into the construction of new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber, synthetic textiles, and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, while chemical and synthetic textile plants have been rising in the vicinity of Sarnia and along the lower reaches of the St. Lawrence River between Cornwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of motor vehicles, motor vehicle parts, heavy electrical machinery, agricultural implements, machine tools, starch and glucose, and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1957, a substantial number of them were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1957 Canada totals are as follows: motor vehicles 98.8, motor vehicle parts 94.5, heavy electrical machinery 90.7, rubber goods 81.5, primary iron and steel 77.4, telecommunications equipment 77.0, iron castings 69.9, fruit and vegetable preparations 67.6, sheet metal products 59.1, industrial machinery 58.9, miscellaneous chemical products 58.2, printing and bookbinding 57.8, brass and copper products 57.5, acids, alkalies and salts 55.3, aircraft and parts 54.8, boxes and bags, paper 50.4, furniture 49.0, printing and publishing 48.2, non-ferrous metal smelting and refining 47.7, synthetic textiles 47.3, miscellaneous electrical apparatus and supplies 47.0, and stock and poultry feeds 45.6.

There are also a number of medium-sized industries with a total Canadian production of over \$100,000,000 in which Ontario dominated. Agricultural implements with 90.0 p.c., soaps and washing compounds 88.4, refrigerators, vacuum cleaners, etc. 80.7, household and office machinery 79.7, hardware, tools and cutlery 74.0, heating and cooking apparatus 68.3, and confectionery 57.7 were in this category.

In addition, Ontario dominated many of the smaller industries in 1957 as indicated by the following percentages of the Canadian total. In this category were: machine tools 100.0, tobacco processing and packing 94.7, miscellaneous non-ferrous metal products 93.2, bicycles 90.0, prepared breakfast foods 90.6, agricultural implements 90.0, wine 86.9, automobile accessories, fabric 85.5, typewriter supplies 85.5, leather tanneries 85.0, artificial abrasives 82.5, sporting goods 76.3, cordage, rope and twine 76.0, toys and games 74.3, white metal

alloys 73.0, carpets, mats and rugs 72.4, jewellery and silverware 72.4, feed mills 71.6, batteries 70.7, wool yarn 69.7, aluminum products 65.0, boilers, tanks and plate work 59.1, animal oils and fats 57.7, knitted goods, other than hosiery 46.1, hosiery 43.2, etc.

Establishments reporting in 1957 numbered 13,580. They furnished employment to 644,245 persons who were paid \$2,430,676,464 in salaries and wages, and spent \$5,827,317,500 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$5,047,710,789, while the selling value of factory shipments totalled \$11,078,592,683.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the

materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products and goods in process. The figures for value added since 1954 are, therefore, comparable with 1951 and prior years.

TABLE 10. Principal Statistics of the Forty Leading Industries, of Ontario 1957

No.	Industries	Estab-lish-ments	Em-ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Motor vehicles	9	32,193	139,834,409	652,177,614	278,046,608	936,905,003
2	Non-ferrous metal smelting and refining	9	11,522	53,326,726	353,812,855	236,746,687	611,038,437 ¹
3	Primary iron and steel	18	25,132	126,054,242	253,767,955	267,099,118	545,501,133
4	Pulp and paper	42	20,686	96,504,535	197,469,255	217,526,029	442,866,384
5	Petroleum products	12	5,420	28,817,229	228,734,481	121,358,945	365,328,298 ¹
6	Slaughtering and meat packing	57	9,550	36,620,158	268,399,137	78,162,671	347,660,633
7	Motor vehicle parts	116	18,880	77,414,259	156,667,176	134,588,677	298,080,218
8	Machinery, heavy, electrical	55	22,072	94,896,657	101,678,274	166,797,633	273,347,205
9	Rubber goods, including footwear	46	15,679	62,508,239	117,970,608	144,355,550	265,798,148
10	Aircraft and parts	34	21,275	95,178,728	84,901,966	144,601,327	232,469,724 ¹
11	Machinery, industrial	215	15,087	60,779,333	90,905,976	121,302,477	213,962,997
12	Castings, iron	91	10,723	43,861,382	98,659,528	92,979,064	192,923,207
13	Sheet metal products	216	11,700	46,601,595	99,144,950	81,133,755	182,954,665
14	Fruit and vegetable preparations	197	11,059	29,317,374	112,475,793	75,034,153	179,577,003
15	Miscellaneous electrical apparatus	103	11,915	45,608,106	90,223,151	85,077,748	179,220,234
16	Butter and cheese	428	7,760	26,264,395	122,770,046	45,184,742	170,018,041
17	Telecommunication equipment	86	12,227	43,480,811	80,190,723	86,314,456	167,696,891
18	Printing and publishing	292	14,121	60,275,196	43,956,819	106,249,121	151,440,964
19	Furniture	779	15,927	49,963,816	71,934,710	76,868,088	150,473,935
20	Printing and bookbinding	807	14,213	50,384,707	55,183,906	86,009,361	141,521,647
21	Miscellaneous food preparations	112	4,762	16,366,157	88,838,210	48,505,485	138,451,119
22	Bread and other bakery products	851	14,854	43,086,573	64,359,251	69,334,754	138,325,537
23	Railway rolling stock	13	5,959	24,752,076	86,087,881	45,883,513	133,055,001 ¹
24	Miscellaneous chemical products n.e.s.	128	5,290	23,977,145	62,164,367	60,342,449	128,105,429
25	Boxes and bags, paper	106	8,240	28,497,109	77,149,037	49,861,909	127,787,234
26	Acids, alkalies and salts	26	5,023	23,660,540	52,987,617	55,849,725	119,336,880
27	Hardware, tools and cutlery	304	10,424	40,200,557	44,718,124	72,541,686	118,170,199
28	Machinery, household, office and store	45	6,666	25,601,152	54,195,684	60,291,508	113,761,551
29	Miscellaneous paper goods	111	7,051	24,787,895	64,196,378	49,162,134	113,935,106
30	Agricultural implements	27	9,249	35,964,156	53,743,532	51,823,318	110,310,047
31	Refrigerators, vacuum cleaners and appliances ..	54	6,808	26,331,418	54,426,787	54,257,925	110,182,701
32	Soaps, washing compounds and cleaning preparations	66	2,942	13,174,119	43,855,787	61,785,287	105,075,031
33	Brass and copper products	91	5,169	20,572,269	62,464,784	40,520,883	104,826,078
34	Bridge and structural steel	30	6,652	29,890,716	45,061,269	55,010,287	100,991,012
35	Feeds, stock and poultry, prepared	348	2,933	8,503,809	74,985,943	23,196,006	100,055,251
36	Breweries	18	3,063	14,575,682	24,148,561	75,487,245	100,025,492
37	Wire and wire goods	77	5,967	24,431,236	47,685,689	41,846,020	89,934,431
38	Clothing, men's, factory	150	10,923	27,427,231	40,596,632	43,077,754	83,363,124
39	Distilled liquors	8	2,181	8,411,344	26,387,363	57,392,285	81,959,527
40	Heating and cooking apparatus	61	5,523	21,387,289	41,608,315	37,798,913	81,544,201
	Totals, leading industries	6,238	436,820	1,749,290,370	4,390,686,134	3,699,405,296	8,247,637,718
	Totals, all industries	13,580	644,245	2,430,676,464	5,827,317,500	5,047,710,789	11,078,592,683

¹ Reported on a production basis.

SECTION 5. THE MANUFACTURES OF THE PRAIRIE PROVINCES

The leading industries of the Prairie Provinces are those based on agricultural resources—grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor vehicles and power machinery on farms has given rise to petroleum refineries in each province. This industry has made tremendous strides in the Prairie Provinces since 1949. At that time it ranked third in importance, being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. In 1956 it assumed the premier position in the Prairie Provinces in selling value of factory shipments. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 19.6 p.c. in 1957. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water power, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues to be played by agriculture, both oil and mineral wealth are being developed.

Considering the Prairie Provinces as an economic unit, slaughtering and meat packing with shipments valued at \$297,702,000 in 1957 again assumed the premier position, displacing petroleum products which came a close second with shipments valued at \$292,043,000. Butter and cheese ranked third with \$100,977,000 followed by flour mills with \$85,975,000 and railway rolling stock \$49,745,000. These five industries accounted for about 55 p.c. of the total value of factory shipments of the Prairie Provinces. Other leading industries, in order of value of factory shipments and with shipments of \$15,000,000 or more were: bread and other bakery products, printing and publishing, breweries, men's factory clothing, sash, door and planing mills, furniture, miscellaneous food preparations, bridge and structural steel, concrete products, sheet metal products, pulp and paper, sawmills, printing and bookbinding, aircraft and parts, sugar refining, hydraulic cement, prepared stock and poultry feeds, carbonated beverages, and boxes and bags, paper. Non-ferrous metal smelting and refining is also a major industry in the Prairie Provinces. Information concerning it cannot, however, be published without disclosing the operations of individual companies.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1957 power installation in the three provinces totalled only 1,221,745 h.p. or about 6 p.c. of the Canadian total. Manitoba had 803,900 h.p., Saskatchewan 109,835 h.p. and Alberta 308,010 h.p. With the present developments of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development.

In the Prairie Provinces, the nature of developments vary from one province to another. Alberta has moved to the forefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth, they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture

of other new inorganic products like caustic soda and chlorine. Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials, transportation equipment, paper products and textiles. Based on the increase in employment between 1949 and 1957, the iron and steel products group with an increase of 2,423 employees reported the greatest expansion in production. This was followed by foods and beverages with an increase of 2,061 employees, chemicals and allied products 1,341, transportation equipment 1,314, products of petroleum and coal 1,309, paper products 1,029, non-metallic mineral products 879, printing, publishing and allied industries 771, and non-ferrous metal products 711. Minor increases were reported by the remaining groups, with wood products remaining practically unchanged.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines since 1949. The largest gain of 722 employees has been recorded by the products of petroleum and coal group which includes oil refineries. The second highest gain of 188 employees was reported by the non-metallic mineral products group which consists of a number of industries manufacturing building materials. Considerable expansion was also reported by the printing, publishing and allied industries. Wood products with a drop of 211 employees was the only major group to report a decline in production; this no doubt being due to the decline in the exports of lumber and its products during the past few years.

Although Manitoba experienced considerable development in manufacturing production since 1949, it did not, percentage-wise, keep pace with the other two Prairie Provinces. The change was not so much in the magnitude but rather in the nature of manufacturing production. The emphasis has shifted from the production of food and clothing to the production of products of mineral origin, such as iron and steel, non-metallic mineral products and products of petroleum and coal. There was also a wider diversification of products as is evidenced by the increase of 291 employees in the miscellaneous group. For manufacturing as a whole the increase in the number employed totalled 1,928. The largest increase of 630 was reported by the iron and steel group. The products of petroleum and coal group with 552 reported the second largest increase, followed by electrical apparatus and supplies with 515, non-metallic mineral products 499, transportation equipment 344, miscellaneous industries 291 and paper products 214. Only three groups reported major declines in employment: foods and beverages 696, clothing, including knitting mills, 300 and textiles 243. The foods and beverages group which in 1949 accounted for 25 p.c. of the employment in manufacturing, accounted for only 23 p.c. of the total in 1957. The foods and beverages group with 9,930 employees was still in first place in 1957 as an employer of labour. This was followed by transportation equipment with 7,006, clothing, including knitting mills, 6,083, iron and steel products 5,404, printing, publishing and allied industries 3,909 and wood products 3,186. These six groups accounted for 81 p.c. of the manufacturing employment in Manitoba.

According to Table 1, manufacturing establishments in 1957 numbered 4,327 for the Prairie Provinces as a whole. These plants furnished employment to 94,985 persons who received \$318,153,043 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,755,125,360 and spent \$1,030,039,991 for materials, while the value added by manufacture totalled \$694,798,654.

Principal Statistics of the Prairie Provinces, 1957

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			thousands of dollars		
Manitoba	1,590	43,884	140,200	379,799	273,163	664,530
Saskatchewan	844	12,012	40,875	189,107	109,599	306,115
Alberta	1,893	39,089	137,078	461,134	312,037	784,480
Total	4,327	94,985	318,153	1,030,040	694,799	1,755,125

In spite of the rapid development in the Prairie Provinces since 1939, manufacturing production did not keep pace with the developments in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by the slight drop in the Prairie Provinces' share of the Canadian total from 8.13 p.c. in 1939 to 7.91 p.c. in 1953. In 1954 conditions were reversed. The Prairie Provinces reported an increase of 1.4 p.c. in the value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. As a result of this the Prairie Provinces' share of the Canadian total was again 8.13 p.c., the same as in 1939. In 1955 and 1956, however, the

situation deteriorated again with the percentage of the total dropping to 7.62. There was an improvement in 1957, the percentage increasing to 7.91, the same as it was in 1953.

According to the table below, Manitoba and Saskatchewan did not keep pace with manufacturing developments in Canada as a whole. Alberta on the other hand fared much better. Compared with 1949 employment increased by 47.9 p.c. and value of factory shipments by 110.9 p.c. This compares with increases for Canada as a whole of 16.0 p.c. and 77.8 p.c. respectively.

Variation in Employment and Factory Shipments, 1957 Compared with 1949

Province	Employees	Earnings	Selling value of factory shipments
		per cent	
Manitoba	+ 4.6	+ 62.9	+ 40.0
Saskatchewan	+10.8	+ 79.7	+ 41.9
Alberta	+47.9	+148.7	+110.9
Prairie Provinces	+19.9	+ 94.1	+ 65.2
Canada	+16.0	+ 86.0	+ 77.8

TABLE 11. Principal Statistics of the Leading Industries of Manitoba, 1957

No.	Industries	Estab-lish-ments	Em-ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
		number			dollars		
1	Slaughtering and meat packing	11	3,058	11,782,928	82,494,172	26,131,616	110,144,729
2	Petroleum products	4	656	2,731,140	31,462,751	21,319,719	54,990,334 ¹
3	Railway rolling stock	4	4,822	17,205,635	17,040,452	16,626,328	34,233,639 ¹
4	Butter and cheese	68	1,237	3,763,447	22,927,023	6,632,288	29,683,726
5	Clothing, men's factory	53	2,936	6,247,408	15,035,636	9,671,599	24,451,810
6	Flour mills	8	509	1,545,269	17,441,933	2,660,334	20,262,344
7	Furniture	121	1,879	5,554,293	11,019,816	8,704,185	19,938,463
8	Miscellaneous food preparations	23	560	1,978,338	13,729,992	5,486,590	19,436,791
9	Printing and publishing	82	2,017	6,740,001	5,433,722	12,913,255	18,456,968
10	Pulp and Paper	3	601	2,678,326	6,554,318	10,014,693	17,892,512
11	Bread and Other bakery products	151	1,787	5,280,827	7,405,080	8,702,917	16,754,054
12	Clothing, women's factory	25	1,598	4,018,489	7,147,248	6,173,662	13,195,854
13	Breweries	6	658	2,756,707	2,683,476	9,817,615	12,709,063
14	Sheet metal products	28	994	3,418,375	7,124,725	4,156,765	11,548,452
15	Printing and bookbinding	84	1,296	4,262,694	3,737,717	7,134,925	10,938,190
16	Boxes and bags, paper	10	623	2,038,511	6,717,074	3,729,418	10,492,886
17	Miscellaneous iron and steel products	12	695	2,686,654	5,007,882	3,390,263	8,813,615
18	Agricultural implements	15	525	1,731,666	4,387,715	3,902,455	7,976,629
19	Feeds, stock and poultry, prepared	39	232	672,736	5,654,241	1,803,850	7,532,692
20	Carbonated beverages	22	351	1,095,749	2,253,520	4,015,147	6,421,040
21	Paints, varnishes and lacquers	5	270	782,408	3,121,045	2,394,990	5,615,576
22	Biscuits	3	363	1,021,189	2,703,208	2,757,103	5,457,232
23	Bags, cotton and jute	3	196	574,493	4,438,291	983,856	5,406,747
24	Other leading industries	11	4,148	15,733,345	28,579,862	32,674,334	63,575,933
	Totals, leading industries²	791	32,011	106,300,628	314,100,899	211,797,907	535,929,279
	Totals, all industries	1,590	43,884	140,200,256	379,799,214	273,162,757	664,529,736

¹ Reported on a production basis.

² Includes Aircraft and parts, Bridge and structural steelwork, Cement, hydraulic, Gypsum products, Non-ferrous metal smelting and refining, Primary iron and steel, and Sugar refining.

TABLE 12. Principal Statistics of the Leading Industries of Saskatchewan, 1957

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
		number			dollars		
1	Petroleum products	10	1,239	6,002,267	57,499,210	28,645,039	89,580,404 ¹
2	Flour mills	9	759	2,697,993	31,484,689	7,041,149	39,194,171
3	Slaughtering and meat packing	9	1,297	4,755,869	28,051,668	10,685,273	38,708,692
4	Butter and cheese	57	1,330	3,922,859	22,552,783	7,685,417	29,836,240
5	Bread and other bakery products	99	1,093	3,293,619	4,850,199	5,738,377	10,925,218
6	Breweries	5	348	1,506,281	2,282,301	7,786,997	10,149,714
7	Printing and publishing	96	1,198	3,804,061	2,243,989	6,534,261	8,882,286
8	Carbonated beverages	26	260	762,849	1,762,208	2,771,439	4,726,878
9	Sheet metal products	9	238	849,955	2,814,549	1,381,120	4,160,052
10	Sash, door and planing mills	32	400	1,220,896	2,297,174	1,742,045	4,113,103
11	Concrete products	22	183	626,926	1,546,596	1,339,631	3,030,895
12	Sawmills	182	487	642,392	1,380,045	1,450,671	2,905,011 ¹
13	Feeds, stock and poultry, prepared	12	75	210,824	1,702,423	259,394	2,130,011
	Totals, leading industries listed above ²	568	8,907	30,296,791	180,467,834	83,060,813	248,342,675
	Totals, all industries	844	12,012	40,875,349	189,106,737	109,598,807	306,115,112

¹ Reported on a production basis.² Cement, hydraulic and Non-ferrous metal smelting and refining are also leading industries. Statistics, however, are confidential since there are less than three firms reporting.

TABLE 13. Principal Statistics of the Leading Industries of Alberta, 1957

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Slaughtering and meat packing	16	4,001	15,109,874	122,623,319	25,380,009	148,848,513
2	Petroleum products	22	2,213	10,926,532	83,460,019	59,755,897	147,472,583 ¹
3	Butter and cheese	96	1,962	6,071,328	31,698,369	9,450,220	41,456,613
4	Flour mills	10	663	2,004,427	21,330,281	5,112,672	26,518,307
5	Sash, door and planing mills	113	1,766	5,153,204	12,939,960	7,830,918	21,139,692
6	Bread and other bakery products	148	1,886	5,766,156	8,367,983	10,267,839	19,183,371
7	Concrete products	40	776	2,948,649	9,269,249	8,982,908	18,454,579
8	Sawmills	468	2,068	4,095,153	8,347,398	9,299,141	18,042,554 ¹
9	Bridge and structural steel work	5	1,007	4,104,465	9,167,516	6,971,321	16,215,159 ¹
10	Breweries	6	555	2,276,754	4,055,458	11,972,362	16,100,808
11	Printing and publishing	80	1,458	5,037,536	4,174,580	11,069,386	15,365,074
12	Castings, iron	11	571	2,280,927	10,527,346	5,855,373	15,246,240
13	Primary plastics	4	491	2,342,056	5,268,680	8,447,670	13,903,332
14	Acids, alkalies and salts	4	480	2,207,486	3,693,237	7,245,236	10,854,873
15	Feeds, stock and poultry, prepared	52	280	825,980	7,005,366	2,358,875	9,509,324
16	Cement, hydraulic	3	462	2,059,552	1,697,960	6,309,752	9,271,918
17	Aircraft and parts	5	1,574	6,065,865	1,333,040	7,532,229	9,130,415 ¹
18	Sheet metal products	24	501	1,785,505	5,102,325	3,341,967	8,680,855
19	Clothing, men's, factory	10	885	2,469,577	5,085,013	3,896,803	8,674,471
20	Machine shops	69	962	3,652,897	2,784,079	5,828,632	8,638,420
21	Miscellaneous food preparations	13	274	838,814	5,747,808	2,987,018	8,568,274
22	Printing and bookbinding	81	988	3,470,205	2,487,836	5,488,505	8,033,910
23	All other leading industries ²	8	3,397	13,149,200	29,917,923	25,312,202	56,670,427
	Totals, leading industries	1,288	29,220	104,622,142	396,284,745	250,696,935	655,979,712
	Totals, all industries	1,893	39,089	137,077,438	461,134,040	312,037,090	784,480,512

¹ Reported on a production basis.² Includes: Fertilizers, Non-ferrous metal smelting and refining, Railway rolling stock and Sugar refining.

SECTION 6. THE MANUFACTURES OF BRITISH COLUMBIA

British Columbia, with factory shipments valued at \$1,785,298,750, ranked third among the provinces in manufacturing production. In spite of the rapid industrialization of other provinces, British Columbia succeeded in increasing its share of the total Canadian output. This is reflected in the increase in the total from 7.1 p.c. in 1939 to 8.6 p.c. in 1956. With the minor decline in business activity and the drop in the export of lumber and its products, British Columbia in 1957 was affected more than was the case for Canada as a whole, with the result that its share of total shipments dropped to 8.05 p.c.

Forest resources, fisheries, minerals and electric power have given a broad base and wide diversification to its industrial development. While Ontario and Quebec have an outstanding predominance in each of the major industrial groups of the Standard Industrial Classification, in the production of

wood products, however, British Columbia with 39 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 26 and 23 p.c. of the total.

Emphasizing the importance of the forests in the industrial life of the Province, the sawmilling industry ranked first with a gross value of factory shipments of \$335,039,000, and pulp and paper second with \$169,469,000. Third in importance was the petroleum products industry with factory shipments valued at \$136,366,000. This industry received a great impetus in the completion of the Trans-Mountain oil pipeline. In 1953, with shipments valued at \$40,562,462 it ranked seventh, and contributed about 3 p.c. to the total value of factory shipments of the Province. In 1954 it assumed third place with the proportion of the total increasing to 5.5 p.c., with a further increase to 7.6 p.c. in 1957. In fourth place was veneer and plywood with

\$76,750,000 while in sixth place was fish processing, based principally in the estuarial salmon fisheries. This industry was in third place in 1953. British Columbia accounted for approximately 42 p.c. of the output of the fish processing industry in 1957 and plays a large part in making Canada the largest fish exporting nation in the world. Other important industries are: sash, door and planing mills, slaughtering and meat packing, shipbuilding, miscellaneous food preparations, butter and cheese, bread and other bakery products, fruit and vegetable preparations, printing and publishing, bridge and structural steel work, fertilizers, etc. The non-ferrous metal smelting and refining industry also ranks among the leading industries. Information, however, cannot be published as there are less than three smelters located in the province.

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres. Growing lines of communication and transportation are fanning out from and leading into formerly locked interior communities to tap a vast new potential and offer new sources of provincial economic unity and strength. Factories and plants in remote sections are drawing greater value in employment and dollars from natural resources. The growth of the province industrially may be indicated by the increase in employment which is two and one-half times the pre-war figure. In dollar terms, gross value of manufacturing is also up 650 p.c. since 1939. The consumption of 6.5 billion kwh. of electric power by manufacturers during 1955 marks a steady upward climb of 200 per cent in the past decade.

British Columbia ranks second among the provinces in available water-power resources, and its hydraulic development which at the end of 1957 totalled 3,122,460 h.p. out of a Canadian total of 19,916,008 h.p. is exceeded only by Quebec and Ontario. Present developments are located chiefly in the southern part of the Province where a number of important sites are still available for development. Hydro-electric construction was very active in 1957 with a total of 607,500 h.p. of new capacity. The Aluminum Company of Canada installed the fifth

and sixth units, each of 150,000 h.p., in its Kemano-Kitimat plant. A seventh unit of 150,000 h.p. will be installed in 1958, and the ultimate capacity is expected to be about, 2,000,000 h.p. This power will be used in the production of aluminum which is a new product for British Columbia. Present capacity of the smelter is 210,000 tons of aluminum per annum, a production which will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1957 numbered 4,250. These plants furnished employment to 105,631 persons who received \$405,129,932 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,785,298,750 and spent \$985,519,123 for materials, while the value added by manufacture totalled \$767,914,301.

The expanding trend of manufacturing production in British Columbia during the past few years was reversed in 1957. Both employment and value of shipments declined, the former dropping 2.7 p.c. and the latter by 4.0 p.c. This compares with an increase of 2.5 p.c. in value of factory shipments and 0.4 p.c. in employment for Canada as a whole. There was an expansion in manufacturing activity in British Columbia during 1954, at a time when the rest of Canada was experiencing a minor recession. For Canada as a whole there was a drop of 4.5 p.c. in the number of employees and 1.3 p.c. in value of shipments. British Columbia was the only province in 1954 to report increased employment, the increase being 2.2 p.c. Although British Columbia was not the only province to report increased shipments that year, the increase of 7.9 p.c. was, however, the highest of any province. In common with other provinces, manufacturing in British Columbia continued to expand during 1955 and 1956. It reported the second highest increase in employment and value of factory shipments, Alberta being first in both respects. Since 1953 employees in British Columbia were 12.6 p.c. higher as compared with an increase of only 2.4 p.c. for Canada, while the value of factory shipments were 30.6 p.c. higher for British Columbia and 24.7 p.c. for Canada as a whole.

TABLE 14. Principal Statistics of the Leading Industries of British Columbia, 1957

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		number			dollars		
1	Sawmills	1,541	26,637	95,351,853	182,658,637	147,175,380	335,038,867 ¹
2	Pulp and paper	12	7,366	35,070,708	71,950,061	87,890,237	169,468,855
3	Petroleum products	5	1,384	6,745,008	76,996,178	55,754,357	136,366,047 ¹
4	Veneer and plywood	17	5,995	22,431,250	42,723,812	33,939,998	76,749,790
5	Sash, door and planing mills	214	3,676	12,724,314	45,950,260	20,304,707	67,167,038
6	Fish processing	44	3,153	10,413,200	40,810,500	22,372,400	62,888,300
7	Slaughtering and meat packing	13	1,571	6,285,128	47,949,014	9,145,465	57,318,288
8	Shipbuilding	24	4,918	23,035,799	11,552,002	34,718,950	46,750,276 ¹
9	Miscellaneous food preparations	44	894	2,667,672	36,297,193	8,971,335	45,592,827
10	Butter and cheese	33	1,847	6,918,783	21,361,807	10,357,750	31,821,430
11	Bread and other bakery products	298	3,220	9,975,119	13,517,993	16,480,867	30,874,599
12	Fruit and vegetable preparations	63	2,378	5,806,195	23,212,901	10,767,087	30,832,368
13	Printing and publishing	86	3,064	12,284,767	7,157,927	22,768,668	30,196,331
14	Bridge and structural steel	5	1,813	8,909,947	14,881,595	13,985,517	29,120,605 ¹
15	Fertilizers	4	1,104	4,967,251	12,474,966	13,732,237	26,920,140
16	Sheet metal products	38	1,103	4,731,086	14,591,840	10,165,596	24,641,986
17	Machinery, industrial	45	2,047	8,718,679	9,330,836	14,733,644	23,795,635
18	Boxes and bags, paper	16	1,133	4,079,065	13,323,463	9,053,096	22,202,509
19	Furniture	238	2,129	6,927,552	11,010,696	10,090,419	21,301,153
20	Breweries	10	681	2,791,953	4,442,579	14,680,584	19,160,251
21	Feeds, stock and poultry, prepared	39	656	2,079,696	12,833,454	4,276,831	17,603,342
	Totals, leading industries listed above²	2,789	76,769	292,915,025	715,027,714	571,365,125	1,305,810,637
	Totals, all industries	4,250	105,631	405,129,932	985,519,123	767,914,301	1,785,298,750

¹ Reported on a production basis.

² Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

SECTION 7. MANUFACTURING INDUSTRIES IN URBAN CENTRES

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 15, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion contributed by cities and towns having factory shipments of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1957 accounted for 79 p.c. and 95 p.c. respectively of the totals for those provinces, while for the Atlantic Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the propor-

tions are 68 p.c. and 50 p.c. respectively. In the Prairie Provinces manufacturing is confined to a few urban centres.

During the past few years there has been a noticeable trend for manufacturing plants to locate in rural areas adjacent to incorporated cities and towns. This trend is revealed by a study of the percentages in the table below during the past few years. In 1957 for Canada as a whole 80.6 p.c. of the shipments were made by cities and towns with factory shipments of \$1,000,000 and over, as compared with 86.9 p.c. in 1953. Toronto is a good case in point. In 1953 Toronto accounted for 72.0 p.c. of the total shipments of York County and the rural areas for 12.2 p.c., while in 1957 Toronto's share dropped to 59.6 p.c. with the rural areas increasing to 26.9 p.c. The same trend is apparent in other manufacturing centres. This accounts for the changes that have taken place during the past few years in some of the provinces and for Canada as a whole.

TABLE 15. Cities and Towns Each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1957

Note: Statistics published in this table are in some cases higher than the figures published in Table 18, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 18 without disclosing the operations of individual establishments.

Province	Number of urban centres with selling value of factory shipments of over \$1,000,000	Number of establishments reporting in urban centres with selling value of factory shipments of over \$1,000,000	Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments of urban centres as a percentage of shipments in each province
	number			dollars	
Newfoundland	4	120	73,763,623	117,713,795	62.7
Prince Edward Island	3	60	16,974,145	24,952,853	68.0
Nova Scotia	26	501	265,697,648	427,299,045	62.2
New Brunswick	14	326	243,499,093	311,795,501	78.1
Quebec	184	8,385	6,324,703,364	6,679,595,056	94.7
Ontario	194	9,354	8,729,173,035	11,078,592,683	78.8
Manitoba	12	1,129	561,512,994	664,529,736	84.5
Saskatchewan	11	440	257,024,130	306,115,112	84.0
Alberta	17	969	524,487,248	784,480,512	66.9
British Columbia	34	2,258	889,879,990	1,785,298,750	49.8
Yukon and Northwest Territories	—	—	—	3,221,268	—
Canada, 1957	499	23,542	17,886,715,270	22,183,594,311	80.6
Canada, 1956	498	23,289	17,262,050,120	21,636,748,986	79.8
Canada, 1953	482	23,618	15,704,708,812	19,513,933,811	80.5
Canada, 1954	472	23,869	15,045,342,071	17,554,527,504	85.8
Canada, 1953	471	23,652	15,393,546,062	17,785,416,854	86.9

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-57

City and year	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
	number			dollars	
Montreal:					
1939	2,501	105,315	114,602,118	254,188,246	483,246,583
1944	3,109	185,708	308,396,358	650,618,563	1,215,988,014
1949	4,136	184,779	399,943,526	847,444,669	1,596,713,694
1951	4,137	183,436	449,279,943	1,026,220,450	1,849,153,995
1952	4,283	187,396	496,270,442	1,041,585,029	1,960,826,915 ²
1953	4,398	193,129	544,284,191	1,067,911,378	2,042,662,785 ²
1954	4,415	184,684	539,119,575	1,050,160,663	1,987,217,589 ²
1955	4,379	176,998	529,339,811	1,021,717,306	1,963,367,235 ²
1956	4,289	182,759	582,256,675	1,175,253,762	2,207,686,246 ²
1957	4,268	183,996	611,657,486	1,214,443,559	2,288,258,169 ²

See footnotes at end of table.

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-57 — Concluded

City and Year	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
	number			dollars	
Toronto:					
1939	2,885	98,702	122,553,435	240,532,281	482,532,331
1944	3,344	154,538	260,776,613	513,429,109	1,020,345,353
1949	4,005	158,562	368,510,524	837,148,440	1,579,186,450
1951	3,796	151,333	415,206,705	991,268,163	1,763,192,114
1952	3,825	149,020	439,286,411	945,304,350	1,790,369,192 ²
1953	3,781	154,251	478,086,271	980,873,073	1,875,747,249 ²
1954	3,728	145,792	470,046,860	945,614,031	1,810,860,959 ²
1955	3,497	134,235	442,775,761	916,493,539	1,732,099,123 ²
1956	3,411	133,758	470,860,187	962,271,402	1,797,706,145 ²
1957	3,312	132,356	482,758,834	961,000,335	1,832,080,726 ²
Hamilton:					
1939	461	31,512	39,563,423	70,829,034	152,746,340
1944	480	53,500	94,982,915	171,117,467	363,033,672
1949	546	54,665	137,641,333	285,180,403	563,982,920
1951	560	58,841	174,296,725	391,412,980	755,546,928
1952	575	59,257	190,167,980	385,701,709	781,596,810 ²
1953	566	60,451	201,515,979	385,515,852	824,407,315 ²
1954	580	54,199	189,099,943	341,555,746	752,353,730 ²
1955	588	55,202	200,311,361	395,047,070	844,835,085 ²
1956	585	58,742	232,166,085	498,410,570	987,728,987 ²
1957	562	57,095	237,883,530	502,608,132	1,031,430,829 ²
Windsor:					
1939	222	17,729	25,938,890	63,907,106	122,474,320
1944	231	35,912	80,667,573	232,102,240	387,603,874
1949	283	34,591	94,304,627	271,392,923	494,162,203
1951	297	34,865	112,076,215	351,697,300	626,292,546
1952	330	36,628	130,027,457	377,637,512	646,949,316 ²
1953	338	37,514	140,481,193	402,209,586	682,273,319 ²
1954	353	30,210	112,816,841	263,143,564	474,634,211 ²
1955	334	25,654	101,810,378	186,275,443	374,512,418 ²
1956	336	24,091	96,798,387	186,300,126	369,790,090 ²
1957	318	29,377	122,169,670	290,073,160	533,531,623 ²
Winnipeg:					
1939	648	17,571	20,717,273	44,873,043	81,024,272
1944	686	25,870	38,824,299	119,917,745	198,169,626
1949	860	28,687	58,604,162	143,827,270	255,006,806
1951	849	27,704	65,741,785	167,583,852	292,496,767
1952	843	28,162	70,744,396	160,844,930	296,263,701 ²
1953	860	28,230	76,008,218	156,860,845	300,186,774 ²
1954	864	26,887	74,628,593	150,352,336	288,602,394 ²
1955	873	26,392	75,281,647	152,575,494	291,084,611 ²
1956	869	26,629	80,891,909	163,808,668	309,520,043 ²
1957	856	27,039	83,809,725	166,092,377	314,229,185 ²
Vancouver:					
1939	829	17,957	22,382,192	56,565,511	101,267,243
1944	933	43,473	79,141,407	142,416,371	289,390,718
1949	1,225	33,536	78,793,345	204,642,985	358,620,526
1951	1,255	34,376	96,222,111	270,748,863	461,594,390
1952	1,275	33,296	102,163,999	248,964,894	437,663,057 ²
1953	1,316	33,822	108,896,725	255,906,780	448,591,543 ²
1954	1,335	33,916	114,114,199	273,058,336	486,913,181 ²
1955	1,330	34,683	120,488,180	276,666,483	489,181,449 ²
1956	1,299	36,052	131,540,861	299,290,344	534,658,163 ²
1957	1,280	35,666	138,199,452	305,719,965	540,766,123 ²

¹ Net value is derived from gross value by deducting cost of materials, fuel and electricity. For cost of fuel and electricity in 1957 see Table 18.

² Since 1952 the basis of collection was "Selling value of factory shipments" instead of "Gross value of products".

TABLE 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, Grouped According to the Number of Employees per Establishment, 1957

Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Montreal Metropolitan Area:						
Under 5 employees	1,402	3,311	8,058,070	450,043	23,008,504	39,789,156
5 to 14 employees	1,465	12,578	35,050,021	1,588,671	87,299,432	153,911,522
15 " 49 "	1,286	35,049	99,751,370	4,143,310	218,140,975	402,854,718
50 " 99 "	430	29,746	87,973,402	3,761,404	207,160,309	390,393,826
100 " 199 "	214	29,139	89,906,514	6,057,430	237,719,470	429,704,879
200 " 499 "	129	38,733	131,000,557	13,790,183	379,206,272	702,394,216
500 " 999 "	52	35,709	134,993,948	25,240,588	579,696,263	973,983,274
1,000 " 1,499 "	10	12,275	50,494,877	3,884,526	117,562,364	222,034,543
1,500 and over	14	51,456	212,462,685	4,882,515	278,102,960	606,807,026
Not classifiable	118	—	—	—	930,936	1,078,080
Head offices ¹	—	8,316	45,708,860	—	—	—
Totals	5,120	256,312	895,400,304	63,798,670	2,128,627,485	3,922,951,240
Toronto Metropolitan Area:						
Under 5 employees	1,285	3,010	7,308,058	498,445	14,999,733	29,793,374
5 to 14 employees	1,363	11,731	36,778,196	1,825,038	65,546,316	131,462,360
15 " 49 "	1,199	32,610	108,787,169	4,914,185	217,109,775	426,824,638
50 " 99 "	374	26,138	88,697,060	4,684,836	224,562,881	406,299,178
100 " 199 "	205	28,828	101,763,500	5,583,924	234,806,353	452,236,773
200 " 499 "	124	37,426	140,453,259	6,996,237	286,070,413	586,323,575
500 " 999 "	46	30,525	122,204,382	5,490,719	186,338,620	416,567,801
1,000 " 1,499 "	11	13,870	59,046,407	2,297,332	125,956,516	243,717,801
1,500 and over	8	20,702	85,122,576	3,051,206	185,717,309	336,341,785
Not classifiable	150	—	—	—	1,337,234	1,737,547
Head offices ¹	—	5,555	33,089,438	—	—	—
Totals	4,765	210,395	783,250,045	35,341,922	1,542,445,150	3,031,304,841
Hamilton Metropolitan Area:						
Under 5 employees	222	498	1,139,915	115,906	1,867,166	3,979,082
5 to 14 employees	186	1,616	4,950,712	321,437	8,030,029	16,633,772
15 " 49 "	140	3,887	13,281,227	1,245,451	23,419,535	48,616,706
50 " 99 "	50	3,566	12,732,155	958,044	44,185,498	77,253,244
100 " 199 "	40	5,627	19,893,292	1,229,867	56,255,441	96,999,197
200 " 499 "	41	12,535	46,261,060	4,401,473	116,675,493	206,001,423
500 " 999 "	10	9,658	39,916,426	2,714,755	89,836,403	186,458,027
1,000 " 1,499 "	2	23,315	111,613,908	18,362,000	189,903,615	446,230,723
1,500 and over	5	—	—	—	101,949	102,181
Not classifiable	7	—	—	—	—	—
Head offices ¹	—	295	1,055,868	—	—	—
Totals	703	60,997	250,844,563	29,348,933	530,275,129	1,082,274,355
Windsor Metropolitan Area:						
Under 5 employees	125	273	644,671	50,388	839,448	1,918,396
5 to 14 employees	114	953	3,106,511	213,500	5,409,296	11,604,853
15 " 49 "	64	1,651	6,196,204	414,713	9,014,461	20,968,585
50 " 99 "	29	2,076	8,350,430	339,895	15,849,695	33,433,256
100 " 199 "	18	2,586	10,294,692	1,072,440	19,784,116	40,701,543
200 " 499 "	17	5,021	20,809,819	1,005,064	35,447,662	86,304,107
500 " 999 "	5	18,469	79,309,926	3,924,596	216,490,371	365,166,525
1,500 and over	2	—	—	—	19,769	25,259
Not classifiable	8	—	—	—	—	—
Head offices ¹	—	44	222,324	—	—	—
Totals	382	31,072	128,934,577	7,020,596	302,854,818	560,122,524
Winnipeg Metropolitan Area:						
Under 5 employees	355	810	1,812,414	163,580	3,449,071	6,978,943
5 to 14 employees	255	2,222	6,161,009	499,665	13,646,527	25,788,115
15 " 49 "	215	5,992	17,162,918	1,061,183	40,348,943	72,522,639
50 " 99 "	103	7,229	22,366,551	1,202,373	55,337,113	99,965,268
100 " 199 "	46	6,510	19,059,750	1,110,973	51,748,970	88,945,284
200 " 499 "	22	5,975	20,672,702	3,999,482	48,267,977	93,810,618
500 " 999 "	5	3,614	13,692,274	511,074	50,443,903	74,787,252
1,000 " 1,499 "	2	6,146	22,036,656	790,197	51,704,110	82,877,500
1,500 and over	2	—	—	—	249,324	273,902
Not classifiable	60	—	—	—	—	—
Head offices ¹	—	262	1,230,936	—	—	—
Totals	1,065	38,760	124,195,210	9,338,527	315,195,938	545,949,521
Vancouver Metropolitan Area:						
Under 5 employees	581	1,353	3,133,070	247,209	5,399,517	10,917,398
5 to 14 employees	560	4,724	14,829,243	937,914	27,285,033	53,590,166
15 " 49 "	370	9,848	35,877,640	2,352,513	82,370,022	148,150,157
50 " 99 "	110	7,370	28,629,192	1,638,053	74,259,567	124,398,614
100 " 199 "	63	8,778	33,983,972	1,979,241	96,027,901	166,327,469
200 " 499 "	31	9,673	39,775,290	3,696,345	154,995,037	261,434,250
500 " 999 "	9	5,916	22,592,101	1,284,858	50,977,748	89,870,064
1,000 " 1,499 "	4	6,915	30,953,398	647,850	30,818,400	82,768,755
1,500 and over	1	—	—	—	310,211	393,442
Not classifiable	53	—	—	—	590,100	—
Head offices ¹	—	1,423	8,810,846	2,800	—	—
Totals	1,782	56,000	218,584,752	12,786,783	523,033,536	937,850,315

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or more Establishments, 1957.

Note: Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total Value of Shipments.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Newfoundland:						
Harbour Grace	6	338	513,515	48,140	1,121,677	2,244,285
St. John's	95	2,595	7,250,649	620,221	12,586,431	27,641,878
Prince Edward Island:						
Charlottetown	36	644	1,675,090	204,061	8,377,520	11,670,163
Summerside	22	246	540,125	58,309	3,256,210	4,290,836
Nova Scotia:						
Amherst	22	1,116	3,353,687	282,350	4,954,536	10,875,842
Berwick	10	300	650,586	102,113	2,732,904	3,715,325
Bridgetown	7	104	258,126	43,782	860,660	1,510,190
Bridgewater	16	155	357,288	41,542	938,890	1,631,390
Dartmouth	19	283	843,678	85,903	1,624,371	3,783,613
Glace Bay	16	191	341,494	63,809	700,282	1,353,166
Halifax	144	6,292	18,717,244	1,277,335	32,611,004	68,352,826
Kentville	11	198	479,781	68,577	1,142,272	2,062,464
Liverpool	7	222	604,652	41,141	762,667	1,544,132
Louisburg	4	272	555,400	74,700	1,596,200	2,726,100
Lunenburg	15	753	2,009,738	142,192	4,787,740	7,769,682
Middleton	6	137	272,621	39,414	891,728	1,331,696
New Glasgow	31	948	2,807,380	468,160	4,445,304	10,338,909
North Sydney	10	305	580,966	58,774	1,495,679	2,513,723
Pictou	14	589	1,661,227	61,709	2,278,202	4,582,834
Shelburne	16	205	437,325	32,198	1,117,243	1,851,210
Sydney	46	5,720	22,654,435	4,741,630	48,250,686	79,078,754
Trenton	8	1,802	6,262,707	680,297	20,747,519	30,910,731
Truro	42	1,077	2,235,663	182,321	4,859,277	9,270,398
Yarmouth	30	791	1,657,721	148,120	4,324,126	8,391,068
New Brunswick:						
Campbellton	12	141	376,719	70,916	789,461	1,739,750
Fredericton	39	879	2,158,464	213,402	4,324,423	8,449,107
Grand Falls	16	111	216,611	80,702	848,570	1,231,442
Lancaster	10	744	2,629,585	955,728	7,921,719	16,289,731
Moncton	58	2,833	9,211,538	698,704	25,425,148	39,520,733
Newcastle	10	507	1,830,268	546,266	4,341,676	4,928,091
Saint John	97	4,015	11,399,643	1,687,851	51,039,032	78,373,695
St. Stephen	12	461	974,922	84,460	1,785,626	3,511,846
Sussex	14	196	507,538	69,957	1,639,656	2,918,247
Woodstock	12	114	247,412	43,376	928,772	1,446,430
Quebec:						
Acton Vale	15	1,109	2,351,057	142,341	6,604,150	10,749,295
Amos	17	124	259,958	42,853	707,282	1,200,154
Amqui	15	210	499,296	30,060	1,274,070	2,114,523
Beauveville East	14	160	320,102	15,688	650,766	1,136,840
Beauharnois	20	1,638	6,061,876	4,082,197	14,229,263	33,489,355
Beaufort	14	350	953,693	75,975	2,368,478	4,240,918
Bedford	11	804	2,002,481	60,316	2,265,225	4,952,866
Beloeil	13	140	347,289	40,271	487,189	1,061,954
Berthierville	19	659	1,442,568	179,515	2,713,703	6,160,229
Cabano	13	206	520,712	28,620	1,006,222	1,856,982
Cap-de-la-Madeleine	45	2,741	7,761,421	1,697,292	26,527,338	48,688,355
Chambly	7	148	354,458	23,401	1,135,500	1,817,041
Charlesbourg	14	84	220,664	15,437	686,673	1,011,935
Coaticook	17	862	2,038,365	108,344	4,050,052	7,469,758
Contrecoeur	13	237	538,201	26,416	874,095	1,664,280
Cowansville	11	1,666	4,946,786	489,548	7,932,752	16,852,733
Danville	8	120	295,313	96,078	909,105	1,441,979
Disraeli	10	185	341,141	24,339	712,059	1,283,514
Dorion	16	208	451,794	33,032	1,099,058	1,954,049
Dorval	12	101	325,495	18,191	593,489	1,210,615
Drummondville	65	6,160	17,762,070	1,729,675	32,008,565	69,612,777
Farnham	21	1,022	2,885,613	236,415	5,529,671	11,877,952
Fort Chambly	8	577	1,448,613	82,256	2,526,597	4,323,423
Giffard	15	225	630,545	60,756	1,684,849	3,531,967
Granby	83	5,628	15,847,268	1,012,790	37,022,246	70,759,472
Grand-mère	31	2,566	7,818,873	1,752,431	14,371,681	31,836,831
Hull	52	3,302	11,841,852	2,564,940	29,440,625	54,494,207
Huntingdon	14	605	1,937,415	200,727	5,892,908	9,160,185
Iberville	22	305	810,095	69,769	1,336,490	2,908,118
Jacques Cartier	33	1,540	4,926,186	346,658	10,072,864	19,451,138
Joliette	58	2,308	6,391,243	718,297	11,119,079	23,297,517
Jonquière	19	512	1,802,081	242,957	2,673,474	7,518,323
Lachine	79	14,274	59,100,641	2,206,087	94,076,577	193,276,314
Lac Beauport	18	357	1,068,694	196,924	3,134,988	5,383,278
Lac Beauport	12	180	286,643	57,406	1,547,966	1,997,573
La Pêrade	2	458	1,486,267	205,720	2,008,727	4,781,444
La Prairie	21	458	1,486,267	205,720	2,008,727	4,781,444
La Salle	49	5,880	22,518,066	3,353,279	67,732,612	136,158,492
L'Assomption	16	647	1,667,718	130,669	4,564,480	7,358,173

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or more Establishments, 1957 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Quebec - Concluded:						
Laval-des-Rapides	10	130	317,180	29,222	520,603	1,172,841
Lennoxville	12	446	1,249,574	222,666	3,399,051	6,526,800
L'Epiphanie	15	182	434,935	38,568	1,400,901	2,155,411
Levis	38	571	1,342,487	85,772	2,844,366	5,151,036
L'Isletville	10	359	940,900	51,040	1,106,066	2,749,094
Longueuil	29	4,208	15,619,590	495,089	15,273,273	39,170,241
Loretteville	29	515	1,095,706	35,721	1,766,810	3,374,987
Louiseville	21	1,656	3,729,965	384,124	6,397,745	10,208,105
Magog	36	2,652	6,766,659	855,320	33,607,296	48,837,393
Maniwaki	14	84	234,635	28,369	771,327	1,362,630
Marleville	20	538	1,283,891	115,670	5,510,866	7,824,195
Matane	23	283	703,009	72,628	1,583,389	2,847,017
Mégantic	27	624	1,261,119	145,644	1,836,494	3,845,587
Mont-Joli	19	220	542,769	47,881	1,502,577	2,341,113
Mont-Laurier	22	287	676,973	52,978	1,523,581	3,168,542
Montmagny	42	1,184	3,115,431	228,011	6,401,596	12,813,802
Mont-Royal	43	5,457	20,666,834	663,387	58,835,180	96,995,680
Montreal	4,268	183,996	611,657,486	23,540,996	1,214,443,559	2,288,258,169
Montreal East	41	6,808	30,793,707	24,976,100	448,461,379	692,340,565
Montreal North	47	1,181	4,020,125	189,329	7,508,101	14,244,619
Nicolet	18	353	817,977	110,874	2,441,510	4,131,413
Outremont	66	1,547	4,987,994	193,561	13,377,047	24,638,725
Pierreville	9	224	429,152	24,215	1,206,410	2,103,349
Plessisville	19	1,112	3,098,369	201,932	5,488,643	10,804,690
Pointe-aux-Trembles	28	639	2,510,368	2,119,075	24,678,050	36,277,987
Pont-Viau	11	208	475,880	28,020	758,520	1,568,312
Princeville	19	670	1,665,764	117,116	7,004,998	10,147,797
Québec	445	15,747	47,200,035	6,454,966	103,947,986	203,815,210
Richelieu	7	107	321,871	24,268	544,770	1,229,237
Richmond	15	714	1,831,122	65,944	3,446,782	6,529,303
Rimouski	36	384	1,078,941	79,170	1,700,501	3,565,926
Rivière-du-Loup	23	173	391,371	43,421	901,175	1,633,350
Rock Island	14	622	1,819,853	85,169	1,365,356	5,448,107
Rougemont	7	94	162,506	19,615	660,833	1,156,652
Rouyn	20	157	451,937	61,825	995,082	1,933,668
St-Agathe-des-Monts	16	144	381,033	41,102	781,279	1,554,422
St-Anselme	7	54	131,293	16,524	896,478	1,148,776
St-Césaire	22	415	785,226	69,794	2,381,821	3,778,529
St-Charles	8	68	131,871	12,143	766,885	1,089,443
St-Denis	9	174	221,849	34,200	698,745	1,198,452
St-Emile	10	410	796,978	26,640	1,725,741	2,947,057
St-Eustache	16	161	431,828	45,933	1,147,906	1,992,295
St-Félicien	16	232	596,248	44,966	2,646,746	3,983,924
St-Félix-de-Valois	16	75	121,845	18,175	766,428	1,152,648
St-Foy	6	182	570,804	91,225	1,661,281	2,963,641
St-Gabriel-de-Brandon	27	529	1,001,995	49,885	1,505,096	2,878,863
St-Georges	15	452	899,935	71,743	1,190,381	2,423,223
St-Hyacinthe	83	4,068	10,364,263	867,145	29,127,864	48,083,313
St-Jacques	13	208	380,728	18,751	1,403,113	2,150,987
St-Jean	81	5,790	19,677,928	1,244,256	31,970,036	64,893,956
St-Jérôme	67	3,306	9,051,590	811,731	16,249,734	31,441,436
St-Joseph-de-Sorel	7	1,562	5,067,197	568,185	6,997,395	19,314,318
St-Lambert	24	898	2,896,128	138,044	5,578,646	11,123,178
St-Laurent	94	18,432	75,806,746	2,372,528	85,791,339	216,842,427
St-Léonard-d'Aston	9	122	201,098	33,705	776,527	1,101,484
St-Marie	24	783	2,512,355	341,795	6,813,499	11,791,578
St-Michel	98	1,712	5,709,743	537,132	13,150,332	24,085,260
St-Pie	17	248	465,280	72,263	1,617,789	2,650,793
St-Raymond	17	168	310,422	42,451	1,055,000	1,671,676
St-Rémi	16	495	1,049,883	78,909	3,392,900	5,673,278
St-Rose	10	216	524,487	39,446	1,442,962	2,654,577
St-Thérèse	44	1,211	3,136,093	266,445	6,715,415	13,076,965
St-Tite	27	549	1,037,058	27,594	2,003,495	3,714,848
Shawinigan Falls	46	6,257	26,399,270	11,541,442	56,684,263	139,075,241
Shawville	10	96	232,617	34,316	1,808,475	2,190,458
Sherbrooke	127	7,968	22,699,447	1,608,013	55,415,937	106,608,695
Sutton	11	187	421,764	42,150	1,724,121	2,261,272
Terrebonne	17	614	1,714,625	92,352	3,083,749	6,403,505
Thetford Mines	35	444	1,214,851	144,787	1,539,577	4,287,200
Three Rivers	93	8,791	30,350,861	9,432,256	58,310,775	128,909,134
Thurso	10	383	1,049,921	31,222	2,849,471	4,372,076
Trois-Pistoles	17	228	513,606	48,365	2,142,303	3,289,994
Val d'Or	16	158	383,162	48,109	576,179	1,343,696
Valleyfield	47	3,684	10,605,391	1,125,323	20,901,192	42,030,029
Verdun	75	1,777	4,602,061	131,441	8,481,801	18,567,198
Victoriaville	2	776	6,661,192	309,843	12,818,007	24,114,280
Warwick	11	416	994,372	97,542	2,438,938	4,307,326
Waterloo	23	598	1,650,454	111,303	3,007,915	5,761,923
Weedon-Centre	9	201	296,691	27,455	684,680	1,086,093
Westmount	39	1,807	6,117,502	454,981	6,838,060	18,195,996
Ontario:						
Acton	21	856	2,394,200	246,845	6,293,019	10,345,831
Ajax	35	1,522	5,613,442	263,688	11,899,034	21,402,410
Alexandria	9	228	424,488	41,425	617,249	1,299,415
Alliston	11	235	638,963	36,257	1,110,465	2,320,815
Amherstburg	13	779	2,732,680	744,598	5,432,271	17,212,456
Arnprior	20	1,013	3,030,666	187,417	4,313,855	11,468,404

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or more Establishments, 1957 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
		number			dollars	
Ontario - Continued:						
Aurora	21	796	2,239,229	135,915	5,578,766	9,468,223
Barrie	40	1,839	6,245,993	409,039	16,771,800	31,825,863
Beamsville	8	128	328,390	28,137	597,915	1,225,207
Beaverton	7	161	393,054	39,944	741,897	1,481,246
Belleville	66	3,336	11,835,317	2,380,490	13,119,021	39,466,332
Bloomfield	8	148	289,329	26,533	1,124,425	1,504,486
Blyth	5	39	149,888	26,243	1,239,424	1,586,028
Bowmanville	17	888	3,318,536	220,587	5,701,319	13,622,448
Bracebridge	15	113	336,803	30,645	559,774	1,070,621
Brampton	46	1,675	5,661,266	373,152	10,649,234	21,644,934
Brantford	169	10,474	35,981,624	2,094,813	67,032,465	144,087,141
Brighton	13	234	542,933	47,093	1,683,461	2,543,686
Brookville	47	3,242	11,589,396	717,072	42,505,114	65,314,658
Burlington	31	1,114	3,888,314	270,325	8,165,911	16,191,348
Campbellford	20	346	945,049	81,393	2,283,244	3,754,569
Cannington	7	58	180,842	31,215	583,513	1,206,444
Carleton Place	14	408	1,151,815	85,099	2,068,034	3,863,707
Casselman	9	85	205,870	40,295	1,218,220	1,615,898
Chatham	71	3,759	14,422,744	1,135,183	77,857,355	103,217,092
Chesley	14	285	659,812	25,764	963,777	1,916,378
Clinton	11	157	362,661	32,061	806,025	1,355,946
Cobourg	34	1,103	3,573,169	250,354	10,521,127	21,340,055
Collingwood	25	1,480	4,644,400	171,449	9,776,204	16,640,661
Cornwall	55	6,838	25,207,796	5,694,960	42,401,547	92,117,441
Deseronto	6	202	483,184	30,671	1,193,571	2,393,656
Dresden	9	144	517,908	76,669	1,591,084	3,457,002
Dundas	38	1,442	5,112,114	208,742	6,536,063	13,686,733
Dunnville	21	1,267	3,171,325	179,851	9,716,540	15,583,640
Durham	13	226	638,249	61,055	1,253,389	2,699,895
Eastview	27	476	1,739,130	116,076	6,159,230	8,809,398
Eganville	10	124	315,482	75,031	852,038	1,583,420
Elmira	20	704	2,300,157	250,221	7,222,075	13,119,488
Essex	10	274	802,027	99,420	1,626,337	3,211,161
Exeter	10	125	312,171	42,896	987,053	1,523,396
Forest	12	214	460,370	50,819	1,176,108	1,914,699
Fort Erie	29	912	3,353,591	145,091	10,044,936	20,163,470
Fort William	71	3,642	14,777,607	4,070,263	31,700,139	64,042,754
Galt	93	7,355	23,961,616	975,489	42,801,349	83,950,806
Gananoque	18	872	3,088,579	249,663	5,628,322	10,316,312
Georgetown	25	1,268	4,529,590	9,404,606	15,994,336	2,145,328
Glencoe	8	226	566,639	16,600	1,143,633	6,892,973
Goderich	19	483	1,466,880	230,501	3,267,445	3,504,185
Gravenhurst	11	333	1,024,702	57,993	1,651,728	4,579,723
Grimsby	21	484	1,140,822	91,797	2,513,445	87,562,091
Guelph	115	6,718	23,536,638	1,396,342	41,537,036	1,031,430,829
Hamilton	562	57,095	237,883,530	28,217,591	502,608,132	9,217,321
Hanover	24	1,021	2,957,477	122,958	4,817,810	2,184,587
Harriston	10	157	371,503	66,282	1,290,525	1,003,061
Havelock	9	56	149,739	54,062	686,466	16,379,988
Hespeler	16	1,585	4,964,719	538,382	8,049,699	5,117,910
Huntsville	15	403	1,112,987	101,403	3,301,196	19,951,180
Ingersoll	30	1,125	3,597,023	241,174	11,289,471	3,215,659
Kemptville	10	90	279,571	90,846	2,334,889	3,039,547
Kincardine	14	388	848,246	103,492	1,681,564	93,497,339
Kingston	80	5,955	22,013,105	1,792,869	46,527,907	235,155,859
Kitchener	211	15,731	55,031,611	2,687,556	119,987,758	121,897,305
Leaside	46	7,930	30,833,438	1,282,489	56,636,631	16,262,723
Lindsay	37	1,581	4,659,626	412,362	7,693,546	5,099,362
Listowel	14	507	1,312,112	121,016	2,987,907	219,099,033
London	284	15,768	54,815,015	2,908,541	101,732,390	18,001,569
Long Branch	21	944	3,545,096	208,502	8,411,516	4,165,463
Markdale	9	119	251,145	15,355	627,696	1,014,705
Markham	12	230	736,548	49,828	1,615,988	4,482,595
Meaford	19	460	1,092,492	96,427	2,252,834	33,355,825
Merriton	16	2,015	8,386,629	1,426,769	14,718,557	13,171,195
Midland	28	1,151	3,182,664	128,256	7,808,048	1,207,780
Midway	11	94	199,644	24,521	883,182	13,307,502
Milton	16	87	3,418,148	522,255	5,871,811	1,553,720
Milverton	12	192	465,814	30,260	873,994	11,800,341
Mimico	40	971	3,337,212	202,008	6,172,045	3,538,975
Mitchell	9	124	337,565	76,830	2,729,004	2,111,186
Mount Forest	16	253	497,745	41,943	1,279,171	8,645,082
Napanee	18	521	1,618,201	158,124	5,035,249	1,001,532
Newcastle	4	149	416,881	13,910	471,534	3,455,138
New Hamburg	14	464	993,075	59,414	1,573,378	6,805,723
New Liskeard	15	642	2,054,761	124,763	3,619,595	11,739,763
Newmarket	21	1,048	3,168,455	186,030	5,102,053	175,804,092
New Toronto	43	7,599	33,087,232	2,218,641	93,688,537	1,287,288
Niagara	8	133	319,071	23,101	735,232	78,875,355
Niagara Falls	85	5,044	19,617,537	4,737,839	35,587,635	9,301,848
North Bay	81	854	2,987,707	545,780	4,398,339	1,183,260
Norfolk	8	80	209,505	16,958	680,500	28,300,171
Oakville	52	1,841	6,741,517	454,552	13,398,709	1,695,411
Orangeville	13	169	408,668	41,639	959,966	26,970,107
Orillia	61	2,456	7,682,252	505,407	10,576,350	121,844,932
Ottawa	307	10,324	35,015,031	2,667,365	52,890,632	27,312,118
Owen Sound	52	2,673	8,508,693	377,849	11,295,097	12,394,612
Paris	31	1,341	4,052,327	169,318	6,747,291	

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or more Establishments, 1957 - Continued

Municipality	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Ontario - Concluded:						
Pembroke	28	1,384	4,191,511	177,960	7,373,763	14,180,460
Penetanguishene	11	860	894,614	36,571	1,340,441	2,455,453
Perth	26	874	2,287,483	126,512	4,616,486	9,872,045
Peterborough	94	10,380	42,509,920	1,467,466	75,316,309	155,236,711
Petrolia	17	178	533,007	122,907	2,528,236	3,525,854
Port Arthur	61	2,657	10,519,597	2,352,464	21,168,954	50,080,247
Port Dover	9	123	270,549	23,355	917,190	1,481,117
Port Elgin	8	179	382,946	24,907	623,383	1,147,175
Preston	43	2,603	8,018,538	328,213	10,744,856	23,775,389
Renfrew	23	800	2,437,763	163,273	4,388,783	8,521,028
Richmond Hill	17	204	605,682	54,107	2,879,431	4,234,829
Ridgetown	14	210	673,713	38,437	2,157,210	3,714,023
Riverside	10	164	554,022	48,719	1,170,726	2,241,222
St. Catharines	107	6,138	23,707,951	1,098,833	33,636,024	73,449,061
St. Mary's	14	580	2,136,237	1,525,761	5,338,576	14,044,824
St. Thomas	53	2,674	9,076,167	461,813	18,934,238	41,301,274
Sarnia	56	7,229	35,580,384	19,683,685	184,259,302	355,282,252
Sault Ste-Marie	52	8,977	43,869,242	8,345,541	91,045,048	171,453,502
Seaforth	13	253	587,410	28,314	1,067,112	1,909,092
Simcoe	32	1,286	4,606,405	325,067	24,759,203	34,112,704
Smith's Falls	31	771	2,169,462	178,976	3,962,295	10,549,852
Southampton	7	318	839,344	37,665	1,334,984	2,474,036
Stirling	9	114	240,165	45,471	735,244	1,121,421
Stoney Creek	10	103	325,543	46,725	602,151	1,248,489
Stratford	75	3,924	12,894,163	558,505	24,280,202	44,802,451
Strathroy	23	559	1,446,626	74,150	3,107,241	5,261,896
Streetsville	16	716	2,614,818	417,097	4,742,720	11,031,090
Sudbury	57	1,120	3,915,296	427,515	7,586,835	16,207,462
Swansea	15	872	3,445,918	214,695	7,975,068	14,550,328
Tavistock	7	83	205,692	21,618	1,106,718	1,451,119
Teeswater	6	44	141,877	62,983	1,521,495	1,785,776
Thamesville	9	140	360,313	32,679	1,739,519	2,776,210
Thorold	24	1,590	6,520,940	1,869,635	12,216,429	25,930,419
Tillsonburg	26	985	2,833,245	359,253	17,386,931	23,012,070
Timmins	25	392	1,235,803	122,804	2,307,379	4,753,147
Toronto	3,312	132,356	482,758,834	20,936,055	961,000,335	1,832,080,726
Trenton	31	1,902	6,153,833	797,759	11,389,328	25,279,890
Tweed	10	144	361,478	21,341	1,717,008	1,232,207
Unbridge	11	153	468,865	48,336	1,136,590	2,276,258
Walkerton	12	428	1,216,671	48,263	1,912,081	3,934,216
Wallaceburg	30	2,104	7,327,556	1,091,265	8,494,903	21,242,350
Waterdown	8	211	430,932	47,462	1,495,128	2,123,150
Waterloo	67	3,337	11,304,713	577,200	19,612,858	54,988,079
Welland	58	3,301	12,176,357	956,380	19,715,170	42,954,046
Wellington	9	146	266,529	39,513	1,009,914	1,327,931
West Lorne	7	255	585,172	30,062	1,426,260	2,258,978
Weston	54	2,445	9,761,825	527,797	17,389,195	36,886,875
Wheatley	7	131	335,861	39,250	554,907	1,028,964
Windsor	318	29,377	122,169,670	6,568,182	290,073,160	533,531,623
Wingham	20	390	999,358	99,351	2,727,438	5,069,452
Woodstock	58	4,118	14,093,575	2,311,073	33,816,528	64,255,265
Manitoba:						
Brandon	45	825	2,802,707	441,995	11,486,105	18,447,358
Dauphin	15	86	208,214	39,227	1,032,225	1,514,128
Morden	9	174	379,243	53,361	655,939	1,532,449
Neepawa	11	116	431,864	109,042	780,962	1,504,457
Portage la Prairie	17	152	404,851	47,400	747,363	1,445,477
St. Boniface	89	4,881	17,236,521	2,303,218	106,355,736	144,337,906
St. James	46	2,716	9,188,180	329,651	15,388,364	32,010,968
Steinbach	12	214	449,967	39,403	1,828,166	1,828,420
Winnipeg	856	27,039	83,809,725	4,069,453	166,092,377	314,229,185
Saskatchewan:						
Hudson Bay	11	87	206,136	21,589	697,301	1,143,755
Melville	9	64	174,791	21,823	1,056,035	1,441,527
Moose Jaw	43	1,353	4,803,044	1,177,038	34,546,939	51,552,482
North Battleford	11	154	440,506	61,242	1,235,453	2,134,985
Prince Albert	36	899	3,060,590	252,497	12,462,762	19,084,426
Regina	149	3,521	13,192,101	3,386,166	52,708,546	97,617,723
Saskatoon	129	3,121	10,995,088	1,131,447	51,259,720	74,463,094
Swift Current	15	196	651,952	82,561	2,125,281	3,565,696
Weyburn	10	96	308,196	61,741	2,218,448	3,034,584
Yorkton	20	182	527,483	97,419	1,543,522	2,653,855
Alberta:						
Calgary	349	11,091	41,221,471	2,653,770	128,847,254	212,658,924
Camrose	11	74	242,517	19,451	967,181	1,335,186
Edmonton	402	12,523	43,185,840	2,284,503	140,736,304	227,511,393
Grande Prairie	15	283	782,663	127,062	1,416,359	3,017,965
Lethbridge	56	1,196	3,727,105	301,477	9,165,315	18,803,948
Medicine Hat	42	1,201	3,948,526	510,178	14,920,299	22,067,890
Red Deer	29	388	1,061,433	105,078	4,586,325	7,536,197
Rocky Mountain House	13	90	233,496	27,115	1,559,277	2,489,186
Wetaskiwin	11	70	187,347	18,647	991,057	1,253,275

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1957 - Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
British Columbia:						
Abbotsford	11	228	779,460	198,061	875,447	2,514,360
Armstrong	13	105	304,071	28,205	733,702	1,163,428
Burn's Lake	18	80	191,555	16,859	873,260	1,166,740
Chilliwack	22	331	870,969	88,722	2,155,887	3,374,207
Courtenay	17	133	384,259	45,118	830,883	1,493,787
Cranbrook	15	212	743,879	61,223	1,259,849	2,283,618
Dawson Creek	17	216	774,383	122,781	2,728,212	4,127,915
Duncan	15	106	341,010	26,438	626,627	1,168,779
Grand Forks	10	114	347,447	39,004	494,775	1,298,443
Hope	7	83	266,230	23,137	520,634	1,135,370
Kamloops	38	501	1,610,127	421,495	5,682,242	8,948,767
Kelowna	35	890	2,705,368	166,195	5,264,400	9,316,946
Merritt	8	143	445,621	33,600	1,012,314	2,262,183
Mission City	13	190	681,063	60,033	1,621,028	2,834,022
Nanaimo	26	475	1,728,000	148,489	2,986,745	5,935,151
Nelson	23	265	815,474	78,198	1,473,830	2,967,394
New Westminster	105	6,054	22,916,986	1,756,674	60,815,813	107,183,783
North Vancouver	70	3,140	13,903,547	910,878	12,382,700	37,125,864
Oliver	11	169	514,821	32,913	1,111,657	1,794,581
Penticton	33	456	1,249,979	78,738	2,460,417	4,121,137
Port Alberni	18	2,265	9,335,320	1,074,040	21,124,482	32,475,489
Port Moody	7	682	2,889,323	118,517	10,913,380	15,977,664
Prince George	66	868	2,857,500	257,299	9,794,118	14,720,701
Prince Rupert	19	400	1,244,384	110,554	3,022,448	5,377,232
Quesnel	48	251	1,730,386	72,037	1,475,348	2,747,753
Salmon Arm	11	168	492,974	35,088	960,498	1,830,149
Trail	17	155	446,321	41,736	606,627	1,369,902
Vancouver	1,280	35,666	138,199,452	6,578,883	305,719,965	540,766,123
Vernon	30	384	1,147,788	97,867	2,077,165	4,187,514
Victoria	202	4,828	18,016,688	996,873	28,937,895	61,088,998
William's Lake	28	146	377,787	44,457	1,220,655	2,053,853

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1957

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Newfoundland:						
Division No. 1	225	4,207	9,936,776	928,625	18,227,354	38,245,970
Division No. 2	24	462	822,300	72,361	1,653,320	2,494,989
Division No. 3	29	597	871,098	178,067	2,094,102	3,689,745
Division No. 4	53	90	60,732	14,179	97,975	243,719
Division No. 5	46	2,547	13,032,013	4,447,811	17,889,409	42,570,775
Division No. 6	62	1,532	7,193,092	1,582,599	12,147,811	26,833,572
Division No. 7	220	588	529,074	94,090	1,139,089	2,331,888
Division No. 8	113	237	232,030	19,200	477,722	803,892
Division No. 9	139	207	103,360	15,720	262,500	486,803
Division No. 10	5	6	3,240	400	5,840	12,442
Totals	916	10,473	32,783,715	7,353,052	53,995,122	117,713,795
Prince Edward Island:						
Kings County	47	306	404,673	61,477	1,877,467	2,535,447
Prince County	62	511	891,152	97,542	5,476,902	7,273,102
Queens County	84	846	1,982,997	250,415	10,960,880	15,144,304
Totals	193	1,663	3,278,822	409,434	18,315,249	24,952,853
Nova Scotia:						
Annapolis	38	358	725,556	100,799	2,351,015	3,784,734
Antigonish	24	169	297,308	28,931	874,042	1,474,429
Cape Breton	119	6,681	24,570,539	4,978,667	52,925,523	87,401,554
Colchester	113	1,804	3,775,901	358,601	8,971,283	16,514,342
Cumberland	94	1,719	4,471,472	538,955	8,622,745	17,759,585
Digby	78	660	1,021,917	119,911	2,978,565	4,650,621
Guysboro	27	461	784,954	105,806	2,151,992	3,289,869
Halifax	254	8,564	26,396,865	5,508,248	85,791,487	163,153,644

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1957 — Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Nova Scotia — Concluded:						
Hants	58	1,129	2,419,766	564,093	5,587,305	10,061,309
Inverness	42	284	312,580	34,429	1,154,496	1,634,398
King's	76	972	1,917,157	318,431	8,145,346	12,030,857
Lunenburg and Queen's	168	2,950	8,564,491	1,680,107	17,415,641	36,296,337
Pictou	107	3,746	11,468,223	1,304,834	30,015,741	49,595,460
Richmond	23	298	608,437	68,607	2,083,550	3,211,874
Shelburne	51	756	1,356,785	164,108	4,058,773	6,696,002
Victoria	24	74	110,504	9,544	260,632	478,355
Yarmouth	60	905	1,832,160	172,471	4,898,609	9,265,675
Totals	1,356	31,530	90,634,615	16,056,542	238,286,745	427,299,045
New Brunswick:						
Albert	15	145	387,410	164,575	1,020,141	2,086,120
Carleton	50	600	1,086,405	138,723	3,560,312	5,819,508
Charlotte	51	1,620	3,283,530	332,631	7,241,540	13,510,169
Gloucester	105	1,875	5,607,781	1,735,282	13,994,463	27,553,476
Kent	46	359	476,205	71,707	2,904,446	3,677,165
King's	46	456	1,259,518	738,050	2,890,810	7,034,910
Madawaska	50	1,284	4,809,552	1,449,978	11,623,036	28,954,193
Northumberland	66	1,019	2,929,072	622,188	6,931,727	9,272,076
Queens	29	244	573,436	210,698	844,020	2,006,948
Restigouche	51	2,082	8,598,939	4,459,728	18,994,129	41,991,470
St. John	129	5,075	14,758,482	2,718,386	62,040,179	99,218,465
Sunbury	9	30	44,908	5,651	135,780	259,321
Victoria	39	405	1,007,995	104,311	2,165,547	4,076,338
Westmorland	193	4,433	12,640,918	1,065,443	33,494,948	54,085,565
York	102	1,358	3,021,156	319,140	6,900,785	12,249,777
Totals	981	20,985	60,485,307	14,136,491	174,741,863	311,795,501
Quebec:						
Abitibi	178	1,451	3,381,482	400,440	10,085,711	16,752,576
Argenteuil	71	3,450	10,465,392	796,349	22,189,673	45,663,340
Arthabaska	158	4,394	10,333,720	630,989	26,047,651	44,178,318
Bagot	77	1,593	3,219,106	301,234	12,318,536	18,691,943
Beauce	192	2,891	6,598,993	695,414	17,330,955	28,990,481
Beauharnois	83	6,386	20,700,608	6,441,646	39,574,842	88,225,347
Bellechasse	73	328	576,045	78,106	3,774,343	5,038,663
Berthier	123	1,759	3,480,003	355,326	7,720,188	14,587,856
Bonaventure	82	534	823,935	119,342	2,761,492	4,230,833
Brome	41	359	732,958	72,576	2,685,873	4,178,607
Chambly	143	7,897	26,617,941	1,245,343	37,694,694	81,972,983
Champlain	245	8,255	24,757,659	5,777,978	69,988,525	131,470,815
Charlevoix Est	34	576	2,174,810	1,023,107	4,503,850	10,733,255
Charlevoix Ouest	34	97	143,111	13,654	516,667	813,606
Chateauguay	36	624	1,434,132	118,306	5,518,650	8,153,273
Chicoutimi	181	9,985	42,833,294	16,784,396	112,063,319	238,163,464
Compton	70	1,543	4,771,277	1,375,890	14,023,972	24,779,107
Deux-Montagnes	62	396	874,865	107,974	2,569,677	4,271,697
Dorchester	120	516	918,537	167,536	5,760,559	7,695,761
Drummond	118	6,469	18,378,582	1,905,380	36,677,950	75,602,887
Frontenac	103	1,341	2,399,026	261,108	5,887,458	9,888,800
Gaspé Est	86	1,121	2,953,694	984,746	7,783,056	13,521,243
Gaspé Ouest	29	351	744,615	332,335	12,415,779	14,250,174
Gatineau	55	241	488,176	55,891	2,016,261	3,502,417
Hull	69	6,172	23,963,242	8,807,988	52,861,904	109,957,580
Huntingdon	29	675	2,074,515	224,492	6,393,917	9,856,569
Iberville	38	415	1,028,154	108,881	3,261,124	5,688,353
Iles-de-la-Madeleine	26	484	636,114	64,635	1,861,156	2,928,693
Jesus Island	59	888	2,128,941	194,559	4,345,109	8,727,084

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1957 — Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Quebec — Concluded:						
Joliette	132	3,052	8,393,820	1,220,703	17,774,614	34,004,259
Kamouraska	83	490	899,900	95,614	3,618,672	5,169,150
Labelle	90	702	1,473,752	120,368	4,055,338	7,155,231
Lac St. Jean Est	71	2,517	10,780,916	5,430,905	33,660,506	81,361,108
Lac St. Jean Ouest	144	1,405	4,229,594	1,601,916	15,118,673	32,111,038
Laprairie	43	1,291	4,592,528	1,266,976	4,642,295	14,908,315
L'Assomption	80	2,321	6,764,035	580,042	29,199,644	37,604,991
Lévis	105	4,428	13,051,808	695,840	22,526,360	35,936,609
L'Islet	91	819	1,796,743	130,432	3,887,182	7,207,148
Lotbinière	107	870	1,688,307	259,529	6,628,195	9,759,215
Maskinongé	72	2,091	4,595,121	470,526	9,697,052	14,955,497
Matane	67	702	1,733,049	113,914	3,408,614	6,258,822
Matapédia	66	481	1,036,873	77,619	3,108,821	5,036,619
Mégantic	128	2,133	5,327,545	413,945	9,849,905	19,506,161
Missisquoi	73	3,686	10,261,976	883,263	17,953,743	36,367,198
Montcalm	61	454	868,248	76,461	3,857,067	5,610,090
Montmagny	81	1,444	3,649,442	281,657	8,609,888	16,008,057
Montmorency No. 1	44	738	2,768,621	1,652,863	6,527,117	17,285,629
Montmorency No. 2	12	65	147,592	11,689	352,251	573,221
Montreal Island	4,987	248,882	869,944,955	62,643,305	2,094,145,875	3,845,173,425
Napierville	30	639	1,304,911	110,638	4,293,837	7,071,102
Nicolet	116	921	1,881,420	279,635	8,568,365	12,132,142
Papineau	85	1,819	6,195,545	1,897,367	18,290,021	34,363,867
Pontiac	46	414	1,084,199	89,892	4,408,145	6,093,280
Portneuf	161	3,069	10,579,843	4,364,719	20,283,275	44,348,787
Québec	612	19,954	57,566,931	7,254,500	124,213,445	243,737,859
Richelieu	76	5,640	18,792,583	4,868,138	18,888,602	60,500,431
Richmond	74	3,706	12,830,762	3,046,907	25,636,837	51,804,079
Rimouski	127	1,072	2,506,346	232,171	6,162,058	10,450,240
Rivière-du-Loup	105	679	1,405,169	176,729	5,522,635	8,367,360
Rouville	88	1,624	3,496,170	479,974	13,045,489	20,389,190
Saguenay	63	1,376	6,360,665	1,254,513	17,675,950	35,768,613
Shefford	159	6,728	18,770,240	1,258,348	44,161,147	83,926,652
Sherbrooke	148	8,501	24,090,492	1,839,457	59,057,955	113,633,748
Soulanges	20	43	82,466	16,994	715,731	887,040
Stanstead	98	4,496	11,270,702	1,090,496	41,344,459	65,297,339
St-Hyacinthe	146	4,858	12,058,702	1,005,127	33,661,986	55,537,865
St-Jean	97	6,078	20,379,859	1,387,646	35,075,038	69,242,696
St-Maurice	198	15,316	57,243,931	21,041,408	116,683,672	270,588,987
Témiscamingue	89	2,361	8,723,267	4,139,133	77,831,145	99,132,963
Témiscouata	77	595	1,236,022	95,515	3,740,288	5,869,777
Terrebonne	246	6,434	17,329,494	1,574,439	35,808,896	67,434,647
Vaudreuil	58	495	1,090,248	95,928	3,149,101	5,454,247
Verchères	72	1,719	5,891,449	1,662,955	16,989,427	32,596,586
Wolfe	56	651	1,192,194	330,396	2,521,716	4,793,906
Yamaska	51	433	826,974	115,059	3,924,876	5,664,145
Totals	12,250	449,383	1,477,628,336	187,181,272	3,570,908,799	6,679,595,056
Ontario:						
Algoma	113	10,283	48,173,882	8,702,605	100,331,678	187,108,359
Brant	234	12,446	41,881,417	2,442,908	79,008,688	164,924,116
Bruce	150	2,076	5,114,612	427,144	11,993,755	20,106,032
Carleton	379	11,564	39,506,112	2,885,873	62,159,001	137,668,309
Cochrane	93	4,238	18,300,449	3,703,953	37,972,933	95,132,021
Dufferin	35	249	588,590	89,983	1,927,542	3,042,868
Dundas	50	701	1,918,996	323,817	13,893,334	20,813,865
Durham	80	2,651	9,525,630	739,707	95,702,643	116,814,737
Elgin	105	3,579	11,412,323	721,136	42,060,700	69,418,767
Essex	490	35,037	142,074,504	10,007,022	345,942,352	642,887,358

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Division, 1957 — Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Ontario — Concluded:						
Frontenac	113	6,072	22,265,832	1,828,685	47,865,306	95,313,438
Glengarry	49	372	763,238	122,181	3,443,169	4,780,743
Grenville	61	2,457	9,007,285	1,814,977	27,916,712	51,021,488
Grey	187	4,876	14,197,136	796,963	23,891,486	50,031,677
Haldimand	60	1,899	5,325,802	727,863	16,142,734	28,794,774
Haliburton	24	268	682,725	32,614	1,120,557	2,035,397
Halton	186	11,339	43,741,671	3,136,369	232,372,086	334,050,541
Hastings	232	8,632	27,364,773	4,302,700	47,903,459	108,730,420
Huron	143	1,880	4,934,352	590,668	15,897,795	26,413,894
Kenora	73	2,450	9,958,198	3,232,212	27,721,585	50,197,818
Kent	201	7,003	24,923,334	2,738,334	94,435,511	140,095,569
Lambton	139	9,243	43,170,275	22,516,510	238,522,122	431,031,564
Lanark	133	2,761	7,288,793	635,236	15,805,471	32,360,547
Leeds	109	4,333	15,206,349	1,045,041	50,314,796	78,619,679
Lennox and Addington	59	1,611	5,426,563	921,465	12,676,736	20,316,944
Lincoln	229	15,750	61,134,985	4,721,817	103,496,002	215,009,323
Manitoulin	22	71	127,577	30,081	496,516	766,617
Middlesex	410	19,893	69,635,767	3,713,180	165,205,843	319,870,527
Muskoka	85	1,008	2,813,574	241,184	6,073,629	10,735,712
Nipissing	88	2,458	8,729,124	1,281,581	14,343,686	30,053,571
Norfolk	96	2,118	6,860,614	516,544	45,272,881	58,489,888
Northumberland	125	2,064	5,902,768	515,814	18,149,206	32,454,695
Ontario	210	19,576	79,631,022	3,666,070	311,289,798	504,674,575
Oxford	193	7,168	23,386,906	4,086,193	70,809,257	123,470,435
Parry Sound	89	1,089	3,102,880	341,614	6,645,120	14,984,450
Peel	177	21,885	95,743,737	10,056,546	158,004,412	346,476,197
Perth	162	5,517	17,649,393	2,431,835	42,254,000	76,508,921
Peterborough	145	10,650	43,213,485	1,580,482	77,391,523	158,602,286
Prescott	82	1,153	3,618,514	1,080,602	8,296,683	16,347,660
Prince Edward	60	732	1,384,243	191,630	5,595,526	7,236,915
Rainy River	46	1,018	4,207,729	1,264,072	9,314,595	19,571,975
Renfrew	188	4,487	13,189,776	1,458,830	24,332,137	52,202,058
Russell	53	211	481,365	116,542	3,816,572	4,863,937
Simcoe	270	7,956	24,150,012	1,393,632	50,107,501	97,718,818
Stormont	94	7,088	25,907,091	5,883,943	46,592,363	97,980,621
Sudbury	131	11,324	51,139,608	18,276,509	132,825,465	385,400,948
Thunder Bay	216	8,568	35,311,192	10,891,071	85,730,812	178,093,102
Timiskaming	89	1,363	4,260,513	354,065	7,813,830	15,256,737
Victoria	85	1,862	5,222,802	471,431	8,974,603	18,502,948
Waterloo	563	32,653	108,726,232	5,774,485	220,406,852	446,440,958
Welland	326	26,373	112,868,580	24,769,100	414,932,315	683,737,437
Wellington	232	8,720	29,821,304	1,956,485	55,815,925	112,916,673
Wentworth	674	59,648	246,213,627	29,046,179	520,317,737	1,062,701,304
York	4,942	213,822	793,489,193	36,228,419	1,565,990,560	3,075,812,470
Totals	13,580	644,245	2,430,676,464	246,825,902	5,827,317,500	11,078,592,683
Manitoba:						
Division No. 1	57	315	586,888	68,219	1,788,115	2,915,085
Division No. 2	42	405	837,571	143,553	3,431,708	5,137,273
Division No. 3	27	109	217,360	42,199	1,146,600	1,564,173
Division No. 4	9	82	190,903	19,941	602,535	935,503
Division No. 5	69	3,575	13,256,370	2,663,071	41,091,314	79,428,048
Division No. 6	998	33,227	105,000,618	8,475,403	283,847,471	483,480,072
Division No. 7	66	988	3,212,237	468,523	12,355,104	20,082,915
Division No. 8	18	81	191,383	33,502	1,154,636	1,600,933
Division No. 9	80	3,912	13,464,940	1,029,012	21,434,171	46,828,415
Division No. 10	20	135	460,565	113,200	1,150,787	1,956,724
Division No. 11	21	79	168,355	28,937	1,159,223	1,542,806
Division No. 12	32	105	206,651	49,470	1,308,207	1,730,259

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1957 — Concluded

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Manitoba — Concluded:						
Division No. 13	29	141	319,169	61,154	1,484,827	2,226,104
Division No. 14	35	94	149,015	19,605	1,034,730	1,387,315
Division No. 15 and 16	87	636	1,938,231	678,755	6,809,786	13,714,111
Totals	1,590	43,884	140,200,256	13,894,544	379,799,214	664,529,736
Saskatchewan:						
Division No. 1	23	129	366,061	48,949	901,876	1,652,073
Division No. 2	13	104	326,802	64,310	2,235,092	3,076,632
Division No. 3	9	32	75,114	8,160	133,989	252,928
Division No. 4	8	33	70,295	10,630	145,754	270,153
Division No. 5	31	176	396,790	52,013	2,267,373	3,058,502
Division No. 6	169	3,681	13,719,740	3,494,321	53,481,396	99,245,924
Division No. 7	50	1,369	4,829,824	1,178,838	34,556,161	50,600,575
Division No. 8	20	205	677,248	86,434	2,168,979	3,651,537
Division No. 9	56	353	913,876	202,449	3,870,420	5,805,396
Division No. 10	16	76	151,729	23,397	1,017,225	1,299,113
Division No. 11	140	3,164	11,103,018	1,147,658	51,559,685	74,956,624
Division No. 12	8	28	67,254	9,049	221,575	333,891
Division No. 14	112	446	792,862	113,021	2,733,048	4,453,749
Division No. 15	79	1,112	3,522,580	302,076	13,596,038	20,964,816
Division No. 16	44	265	634,776	87,524	2,172,121	3,520,237
Division No. 17	32	118	250,324	29,619	972,822	1,341,326
Division No. 18 and 13	34	721	2,977,056	2,173,061	17,073,183	31,631,636
Totals	844	12,012	40,875,349	9,031,509	189,106,737	306,115,112
Alberta:						
Division No. 1	53	2,104	6,669,918	745,192	20,744,722	35,062,333
Division No. 2	96	1,733	5,306,720	555,827	16,457,434	30,636,646
Division No. 3	40	424	1,105,934	133,020	2,921,955	5,379,827
Division No. 4	6	26	68,025	8,689	202,436	315,044
Division No. 5	29	149	346,058	42,955	593,245	1,140,678
Division No. 6	441	12,029	44,585,661	3,815,628	140,267,804	235,907,945
Division No. 7	34	198	586,916	303,439	3,957,675	6,079,961
Division No. 8	136	915	2,352,794	262,437	9,805,943	15,233,121
Division No. 9	27	475	1,641,864	930,909	1,781,965	4,541,796
Division No. 10	76	629	2,073,080	552,128	9,999,591	16,232,117
Division No. 11	515	17,131	63,114,304	7,133,473	232,125,404	395,833,690
Division No. 12	49	217	508,946	76,453	2,187,753	3,074,496
Division No. 13	116	556	1,407,194	218,958	5,291,413	8,797,970
Division No. 14	131	1,219	4,085,037	675,997	7,693,631	12,152,667
Division No. 15	144	1,284	3,224,987	389,295	7,103,069	14,092,221
Totals	1,893	39,089	137,077,438	15,844,400	461,134,040	784,480,512
British Columbia:						
Division No. 1	125	1,554	5,101,387	1,051,939	11,976,814	21,313,703
Division No. 2	168	6,195	24,948,995	3,965,748	78,445,398	130,831,295
Division No. 3	332	4,109	12,029,646	1,019,612	23,833,424	43,706,563
Division No. 4	1,969	60,028	232,940,781	16,673,315	586,418,228	1,042,221,739
Division No. 5	427	14,962	59,859,576	8,062,552	117,148,312	230,945,335
Division No. 6	264	3,164	9,972,170	1,228,025	25,215,147	43,796,167
Division No. 7	32	3,448	16,159,235	3,806,586	25,263,297	76,805,304
Division No. 8	776	6,174	18,316,746	1,850,266	44,941,636	77,633,673
Division No. 9	55	5,399	24,186,474	6,510,101	67,807,889	110,490,693
Division No. 10	102	598	1,614,922	231,327	4,468,978	7,554,278
Totals	4,250	105,631	405,129,932	44,399,471	985,519,123	1,785,298,750
Yukon and Northwest Territories:						
Totals	22	166	657,765	179,171	1,627,311	3,221,268

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1957

MONTREAL METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products	182	5,372	15,624,693	1,597,364	23,943,250	49,306,434
Biscuits	9	2,506	6,074,095	479,148	15,399,790	29,699,031
Butter and cheese	11	1,677	6,063,740	571,665	20,651,926	31,228,146
Confectionery	44	2,602	7,184,108	375,270	20,976,406	40,523,074
Dairy products, other	4	191	614,152	75,693	1,837,367	3,556,640
Feeds, stock and poultry prepared	13	458	1,712,511	209,955	22,572,954	28,707,233
Fruit and vegetable preparations	33	980	2,283,572	222,305	10,719,747	15,394,621
Milk pasteurizing	16	735	2,440,175	265,799	12,802,255	17,897,845
Miscellaneous food preparations	62	2,526	8,466,091	702,610	67,009,904	101,100,012
Sausage and sausage casings	16	406	1,282,999	104,653	5,335,106	8,047,357
Slaughtering and meat packing	25	3,472	12,659,541	856,417	111,657,329	131,777,392
Carbonated beverages	28	1,183	4,371,244	511,144	8,718,155	32,132,977
All other industries ¹	25	7,000	28,347,192	2,868,026	133,432,936	232,950,745
Totals	468	29,108	97,124,113	8,840,049	455,057,125	722,321,507
Tobacco and tobacco products:						
Totals	18	5,957	21,394,115	336,523	69,949,422	125,237,707
Rubber products:						
Totals	17	2,372	9,407,468	357,956	10,742,441	23,851,766
Leather products:						
Belting, leather	5	83	265,636	12,311	232,384	569,898
Boot and shoe findings, leather	13	207	571,481	22,548	1,025,612	1,950,656
Footwear, leather	64	6,206	15,730,037	215,859	21,485,943	43,761,429
Gloves and mittens, leather	16	411	897,368	9,753	1,354,234	2,765,090
Leather tanning	4	134	401,586	31,840	652,076	1,398,071
Miscellaneous leather goods	81	1,951	4,255,574	72,644	4,853,504	11,263,484
Totals	183	8,992	22,121,682	364,955	29,603,753	61,708,628
Textile:						
Awnings, tents and sails	17	278	738,978	40,907	1,465,254	2,700,067
Bags, cotton and jute	12	414	1,120,432	40,125	7,815,660	9,707,499
Cotton yarn and cloth	6	2,602	8,453,590	418,437	8,630,488	17,847,267
Dyeing and finishing of textiles	28	800	2,421,110	303,826	1,475,900	5,255,007
Embroideries, pleating and hemstitching	92	1,131	2,753,780	58,326	2,170,949	6,636,897
Miscellaneous cotton goods	7	213	643,048	65,983	2,022,913	3,326,605
Miscellaneous textiles	70	2,184	5,934,942	234,382	13,694,074	28,066,399
Narrow fabrics	20	628	1,761,889	66,795	3,088,761	6,339,716
Oilcloth and coated fabrics	8	1,470	5,746,269	356,078	11,442,350	22,484,232
All other industries ²	21	2,289	9,148,493	147,771	8,282,900	14,804,727
Totals	281	12,009	38,722,531	1,732,630	60,089,249	117,168,416
Clothing:						
Clothing, children's factory	120	4,994	11,155,253	164,088	24,771,782	42,649,828
Clothing contractors, men's	89	2,143	5,051,305	64,115	592,459	6,621,191
Clothing contractors, women's	83	1,635	3,268,149	46,275	326,207	4,526,045
Clothing, men's factory	256	10,252	28,046,798	309,306	66,552,202	109,977,971
Clothing, women's factory	408	16,863	42,495,399	466,678	92,646,086	167,518,275
Corsets	14	981	1,910,101	14,028	2,682,069	6,376,386
Fur goods	245	2,257	7,022,794	136,865	23,114,780	34,314,950
Hats and caps	67	2,015	5,032,393	124,060	6,348,857	14,790,175
Miscellaneous clothing	41	746	1,671,985	28,205	5,883,172	5,883,344
Oiled and waterproofed clothing	6	288	853,061	10,167	1,740,001	3,412,722
All other industries ³	7	571	1,944,553	49,165	783,940	3,820,444
Totals	1,336	42,745	108,454,791	1,412,952	222,786,555	399,891,331
Knitting mills:						
Hosiery	31	1,801	4,604,715	141,424	5,727,277	13,346,881
Other knitted goods	61	2,674	5,995,795	129,382	15,082,700	25,225,844
Totals	92	4,475	10,600,510	270,806	20,809,977	38,572,725
Wood products:						
Boxes and baskets, wood	8	339	867,174	45,861	1,310,903	2,669,169
Cooperage	3	22	66,162	5,484	215,682	347,814
Furniture	310	6,385	19,216,902	671,552	31,381,368	63,540,248
Miscellaneous wood products	24	314	1,176,853	54,477	1,576,595	3,016,025
Sash, door and planing mills	71	894	2,715,519	163,256	6,257,895	10,752,980
Woodenware	3	19	75,378	3,688	99,524	216,147
Woodturning	3	24	56,571	1,702	27,173	105,916
All other industries ⁴	11	874	2,515,780	89,302	3,537,937	7,366,515
Totals	433	8,871	26,690,339	1,035,322	44,407,077	88,014,814

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1957 — Continued**

MONTREAL METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Paper products:						
Boxes and bags, paper	39	3,469	11,155,780	448,817	31,613,430	51,785,203
Miscellaneous paper goods	50	1,161	3,665,945	128,305	10,912,705	19,011,049
All other industries*	8	2,609	13,667,663	641,397	7,349,258	16,223,630
Totals	97	7,239	28,489,388	1,218,519	49,875,393	87,019,882
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	38	962	4,463,950	89,573	1,690,222	8,234,519
Lithographing	17	865	3,538,379	89,004	6,099,669	12,443,096
Printing and bookbinding	381	5,885	20,759,005	476,862	19,550,050	52,132,510
Printing and publishing	25	4,958	21,864,820	289,298	17,916,314	59,259,525
Publishing (only) of periodicals	294	2,740	8,403,824	—	14,023,396	35,179,213
Trade composition	10	386	1,453,856	23,868	156,858	2,426,816
Totals	765	15,796	60,483,834	968,605	59,436,509	169,675,679
Iron and steel products:						
Boilers, tanks and platework	15	1,623	6,715,176	216,250	8,731,512	19,252,101
Bridgebuilding and structural steel	10	4,906	21,680,465	599,733	34,946,512	62,976,148
Castings, iron	10	2,138	8,905,536	567,820	13,200,169	27,700,167
Hardware, tools and cutlery	61	1,971	7,079,228	337,401	8,856,891	23,830,407
Heating and cooking apparatus	14	1,014	3,588,242	149,775	6,588,988	13,649,672
Machine shops	61	1,049	3,882,284	135,032	2,522,760	7,499,071
Machinery, household, office and store	14	926	3,055,618	64,757	3,885,737	8,560,337
Machinery, industrial	33	6,508	25,697,539	672,021	31,437,076	71,043,796
Miscellaneous iron and steel products	70	1,212	4,217,690	174,267	5,869,031	12,225,630
Primary iron and steel	5	2,604	11,359,810	1,590,583	18,457,081	49,741,057
Sheet metal products	76	4,588	18,128,337	720,158	33,422,407	68,034,532
Wire and wire goods	29	2,719	11,119,961	603,072	23,854,155	42,920,164
Totals	398	31,258	125,429,886	5,830,869	191,771,959	407,433,082
Transportation equipment:						
Motor vehicle parts	23	399	1,401,503	88,528	2,132,704	4,354,756
Railway rolling stock	6	12,649	46,155,300	2,085,328	104,999,779	168,244,558
All other industries*	32	18,774	80,245,622	1,764,108	73,084,986	197,493,601
Totals	61	31,822	127,802,425	3,937,964	180,217,469	370,092,915
Non-ferrous metal products:						
Aluminum products	11	1,280	6,918,105	34,479	1,400,524	2,916,427
Jewellery and silverware	72	1,151	3,198,058	41,658	4,578,883	10,051,816
White metal alloys	17	444	1,816,396	131,644	7,718,549	10,547,466
All other industries	42	3,567	14,112,502	1,952,821	151,710,108	188,115,043
Totals	142	6,442	26,045,061	2,160,602	165,408,064	211,630,752
Electrical apparatus and supplies:						
Machinery, heavy electrical	9	1,001	3,867,090	84,608	4,714,213	10,394,402
Miscellaneous electrical apparatus and supplies?	36	12,471	50,909,621	1,055,346	60,804,533	145,674,932
Refrigerators, vacuum cleaners and appliances	11	1,390	5,223,912	351,479	10,150,952	18,069,738
Telecommunication equipment	26	5,239	20,996,850	222,870	23,149,673	41,831,904
Totals	82	20,101	80,997,473	1,714,303	98,819,371	215,970,976
Non-metallic mineral products:						
Concrete products	52	2,017	7,388,671	1,152,433	16,705,637	31,410,718
Glass and glass products	30	2,622	9,288,365	2,272,346	8,552,612	24,197,270
Miscellaneous non-metallic mineral products	12	155	608,893	79,533	834,612	1,758,559
Stone products	11	141	486,990	31,721	698,082	1,562,949
All other industries*	11	1,892	7,664,823	5,068,774	11,652,770	41,225,583
Totals	116	6,827	25,437,742	8,604,807	38,443,713	100,155,079
Products of petroleum and coal:⁹						
Totals	10	3,381	17,866,375	21,350,887	309,560,996	518,544,645
Chemicals and allied products:						
Acids, alkalies and salt	6	1,145	5,933,651	1,271,718	12,499,446	18,391,426
Adhesives	9	131	471,043	47,527	1,582,472	3,062,486
Gases, compressed	7	277	1,048,493	163,725	691,837	5,467,984
Inks	7	113	369,266	17,673	792,082	1,768,115
Medicinal and pharmaceutical preparations	66	3,492	12,747,544	392,044	17,914,816	57,027,223
Miscellaneous chemical products	51	1,251	5,776,169	172,696	5,687,419	11,778,036
Paints, varnishes and lacquers	31	2,241	8,977,761	262,330	19,376,501	38,190,832
Polishes and dressings	10	165	583,736	32,582	2,029,369	3,474,030
Primary plastics	4	639	3,093,038	152,112	6,227,302	9,039,511
Soaps, washing compounds and cleaning prepara- tions	37	515	1,630,546	110,495	3,661,789	8,874,700
Toilet preparations	29	844	2,730,445	42,367	6,828,256	19,336,626
All other industries ¹⁰	6	432	2,306,925	171,509	9,465,515	12,585,026
Totals	263	11,245	45,668,617	2,836,778	86,756,784	189,015,995

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1957 — Continued**

MONTREAL METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	25	302	636,402	15,652	809,805	1,775,978
Brooms, brushes and mops	24	352	819,766	27,111	1,657,086	3,074,811
Buttons, buckles and fasteners	29	808	1,868,082	54,792	3,076,817	6,219,207
Candles	7	89	223,965	16,352	423,786	970,442
Clocks, watches and watch cases	17	125	418,181	9,989	1,467,032	2,305,647
Hair goods	4	29	61,440	1,875	206,136	293,182
Instruments and related products	19	1,716	6,878,852	94,889	8,071,580	18,122,159
Lamps, electric and lampshades	38	603	1,369,094	44,835	3,190,504	5,641,710
Models and patterns (excluding paper)	10	67	286,289	8,809	111,459	510,557
Ophthalmic goods	4	64	163,513	6,921	178,915	421,471
Orthopaedic and surgical appliances	6	29	99,852	2,423	62,306	275,488
Other miscellaneous industries	6	365	1,020,631	38,206	1,595,105	4,031,633
Pipes, lighters and smokers supplies	4	28	73,783	4,940	80,226	203,398
Plastic products	40	706	2,105,459	132,897	6,146,952	11,703,004
Signs, electric, neon and other	46	580	1,995,650	104,191	1,416,756	4,971,370
Sporting goods	9	159	318,531	7,801	445,012	966,479
Stamps and stencils, rubber and metal	14	141	493,365	13,171	312,235	1,028,919
Statuary, art goods and regalia	28	250	627,477	27,367	556,650	1,563,503
Toys and games	11	539	1,219,751	75,986	2,124,073	4,735,115
All other industries ¹¹	17	720	1,983,871	135,936	3,159,193	7,831,268
Totals	360	7,672	22,663,954	824,143	35,091,628	76,645,341
Grand totals, Metropolitan Montreal	5,120	256,312	895,400,304	63,798,670	2,128,827,485	3,922,951,240

¹ Includes: Animal oils and fats, 1; breakfast foods, 2; breweries, 4; cheese, processed, 3; distilled liquors, 4; flour mills, 3; macaroni and kindred products, 5; sugar refining, 2; wines, 1;

² Includes: Automobile accessories, fabric, 3; cordage, rope and twine, 1; cotton thread, 7, miscellaneous woollen goods, 3; synthetic textiles, 3; woollen cloth, 2; woollen yarn, 2.

³ Includes: Fur dressing and dyeing, 6; gloves and mittens, fabric, 1.

⁴ Includes: Excelsior, 1; flooring, hardwood, 2; lasts, trees and shoe findings, 4; mortician's supplies, 2; sawmills, 1; veneers and plywoods, 1.

⁵ Includes: Pulp and paper mills, 3; roofing paper, 5.

⁶ Includes: Aircraft and parts, 19; bicycles and parts, 2; boatbuilding, 5; motor vehicles, 2; shipbuilding, 4.

⁷ Includes: Batteries, 2.

⁸ Includes: Abrasive products, 1; asbestos products, 2; clay products from domestic clay, 1; clay products from imported clay, 3; cement, hydraulic, 1; gypsum products, 2; sand-lime brick, 1.

⁹ Includes: Coke and gas products, 1; miscellaneous products of petroleum and coal, 2; petroleum products, 7.

¹⁰ Includes: Coal tar distillation, 2; fertilizers, 2; vegetable oils, 2.

¹¹ Includes: Musical instruments, 3; fountain pens and pencils, 6; ice, artificial, 2; typewriter supplies, 2; umbrellas, 4;

The following Municipalities are included in Greater Montreal

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Dorval	12	101	325,495	18,191	593,489	1,210,615
Jacques Cartier	33	1,540	4,926,186	346,658	10,072,864	19,451,138
L'Abord-a-Plouffe	6	101	270,711	12,485	265,161	700,204
Lachine	79	14,274	59,100,641	2,206,087	94,076,577	193,276,314
LaSalle	49	5,880	22,518,066	3,353,279	67,732,612	136,158,492
Laval-des-Rapides	10	130	317,180	29,222	520,603	1,172,841
Longueuil	29	4,208	15,619,590	495,089	15,273,273	39,170,241
Montreal (city proper)	4,268	183,996	611,657,486	23,540,996	1,214,443,559	2,288,258,169
Montreal East	41	6,808	30,793,707	24,976,100	448,461,379	692,340,565
Montreal North	47	1,181	4,020,125	189,329	7,508,101	14,244,619
Mont-Royal	43	5,457	20,666,834	663,387	58,835,180	96,995,680
Outremont	66	1,547	4,987,994	193,561	13,377,047	24,638,725
Pointe-aux-Trembles	18	639	2,510,368	2,119,075	24,678,050	36,277,987
Pointe Claire	4	17	49,467	1,411	95,711	199,109
Pont Viau	11	208	475,880	28,020	758,520	1,588,312
Ste Genevieve-de-Pierrefonds	8	90	145,273	16,029	437,131	658,897
St. Lambert	24	898	2,896,128	138,044	5,578,646	11,123,178
St. Laurent	94	18,432	75,806,746	2,372,528	85,791,339	216,842,427
St. Michel	98	1,712	5,709,743	537,132	13,150,332	24,085,260
Verdun	75	1,777	4,602,061	131,441	8,481,801	16,567,198
Westmount	39	1,807	6,117,502	454,981	6,838,060	18,195,996
All others ¹	66	5,509	21,883,121	1,975,625	51,858,050	89,795,273
Totals	5,120	256,312	895,400,304	63,798,670	2,128,827,485	3,922,951,240

¹ Includes: Anjou; Baie-d'Urfe; Beaconsfield; Cote-St-Luc; Greenfield Park; Hamstead; Le Moyne; Mackayville; Montreal South; Preville; Roxboro; Ste-Anne-de-Bellevue; St-Leonard-de-Port-Maurice; St-Pierre; Parishes of: Asile-St-Jean-de-Dieu; Notre-Dame-de-Liesse; Ste-Anne-du-Bout-de-l'Ile; Ste-Genevieve; St-Joachim-de-la-Pointe-Claire; St-Joseph-de-la-Riviere-des-Prairies; St-Leonard-de-Port-Maurice; St-Raphael-de-l'Ile-Bizard.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1937 — Continued

TORONTO METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Biscuits	5	1,383	3,979,531	228,432	8,772,730	19,861,609
Bread and other bakery products	222	6,437	19,968,796	1,720,743	31,014,178	66,276,329
Breweries	5	1,235	5,991,705	419,535	8,958,867	37,877,473
Butter and cheese	9	2,235	8,361,324	740,027	23,697,258	38,083,683
Confectionery	43	3,725	10,233,909	614,706	29,473,619	57,913,148
Dairy products, other	5	23	73,664	17,750	251,475	377,810
Feed mills	3	13	37,451	3,608	259,456	393,481
Feeds, stock and poultry, prepared	11	544	1,986,044	165,701	17,382,449	22,835,981
Fruit and vegetable preparations	26	1,796	6,601,593	322,211	24,486,185	41,539,032
Milk pasteurizing	20	962	3,742,606	411,745	8,922,853	14,887,410
Miscellaneous food preparations	66	2,504	8,658,615	774,221	52,515,299	76,347,605
Sausage and sausage casings	18	345	986,276	81,376	4,658,879	6,426,311
Slaughtering and meat packing	19	5,716	22,627,436	1,521,788	157,646,358	206,679,777
Carbonated beverages	20	1,198	4,635,663	325,585	5,478,643	18,547,164
Wines	4	110	576,235	26,839	854,460	2,956,851
All other industries ¹	19	1,066	4,109,596	475,759	21,515,398	33,674,589
Totals	495	29,292	102,570,444	7,850,026	395,868,107	644,678,253
Tobacco and tobacco products:						
Totals	4	128	288,358	6,735	545,889	1,119,540
Rubber goods:						
Totals	15	5,549	22,991,879	1,477,351	38,853,573	88,166,115
Leather products:						
Footwear, leather	36	1,599	4,079,530	58,773	5,496,796	11,420,128
Miscellaneous leather goods	53	1,047	2,672,440	64,593	3,281,671	7,134,164
All other industries ²	9	645	2,422,831	184,947	5,786,044	9,661,901
Totals	98	3,291	9,174,801	306,313	14,564,511	28,216,193
Textiles:						
Automobile accessories, fabric	6	28	85,441	4,232	112,715	237,646
Awnings, tents and sails	24	472	1,121,949	43,074	2,977,509	4,487,490
Bags, cotton and jute	5	126	367,540	14,861	2,644,406	3,315,962
Dyeing and finishing of textiles	12	269	920,711	66,057	499,701	2,191,306
Embroidering, pleating, hemstitching, etc.	30	269	701,956	23,142	436,141	1,551,299
Miscellaneous textiles	57	1,155	3,321,613	131,549	10,078,738	15,985,905
Miscellaneous woollen goods	11	412	1,492,455	111,315	4,127,006	7,172,305
Narrow fabrics	13	197	538,972	15,265	708,794	1,627,139
Woollen yarn	5	758	1,921,781	123,223	5,532,084	9,029,937
All other industries ³	19	1,983	7,510,657	329,181	13,213,367	20,680,455
Totals	182	5,669	17,983,075	861,899	40,330,461	66,279,444
Clothing:						
Clothing, children's factory	32	1,100	2,436,241	30,167	4,713,214	8,289,801
Clothing contractors, men's	14	165	398,447	7,751	91,126	553,813
Clothing contractors, women's	15	115	236,249	5,057	75,784	367,001
Clothing, men's factory	109	7,000	18,296,580	208,669	24,144,331	52,211,073
Clothing, women's factory	173	5,398	14,963,911	171,733	23,186,368	47,081,181
Corsets	14	1,098	2,686,187	26,779	3,546,985	8,716,966
Fur dressing and dyeing	3	204	605,872	22,981	369,366	1,179,951
Fur goods	141	1,255	4,593,877	108,527	10,521,929	17,288,118
Hats and caps	46	964	2,676,576	53,436	3,064,088	6,967,631
Miscellaneous clothing ⁴	21	530	1,148,446	35,366	1,933,348	3,900,584
Totals	568	17,829	48,042,386	670,466	71,646,539	146,556,119
Knitting mills:						
Hosiery	14	634	1,601,124	42,622	2,136,119	4,738,350
Other knitted goods	33	1,902	4,764,364	152,068	11,742,998	19,135,248
Totals	47	2,536	6,365,488	194,690	13,879,117	23,873,598
Wood products:						
Flooring, hardwood	3	186	666,606	38,543	1,206,648	2,061,321
Furniture	345	5,736	18,245,723	616,615	35,822,189	65,148,134
Miscellaneous wood products	38	514	1,895,524	56,610	2,198,596	5,108,726
Sash, door and planing mills	73	966	3,222,648	229,542	7,637,359	12,966,600
Woodturning	5	83	250,980	7,695	207,736	567,579
All other industries ⁵	19	554	1,655,990	53,741	2,005,683	4,367,930
Totals	483	8,039	25,937,471	1,002,746	49,078,211	90,220,290

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1957 - Continued

TORONTO METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Paper products:						
Boxes and bags, paper	52	4,604	16,344,115	557,849	41,696,177	68,500,069
Miscellaneous paper goods ⁸	70	4,059	13,935,248	600,025	31,772,877	61,060,420
Pulp and paper mills	7	1,596	9,465,496	1,629,896	12,731,386	24,147,005
Totals	129	10,259	39,744,859	2,787,770	86,200,440	153,707,494
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	52	2,137	10,588,087	177,285	3,531,328	18,739,116
Lithographing	33	1,748	7,467,072	134,025	10,121,946	21,697,667
Printing and bookbinding	411	9,388	35,147,235	772,588	39,112,271	99,198,615
Printing and publishing	46	7,576	36,513,301	689,240	31,708,055	95,053,761
Publishing (only) of periodicals	348	1,257	3,528,855	—	9,271,278	18,140,599
Trade composition	19	596	2,631,230	36,353	309,956	4,022,870
Totals	909	22,702	95,875,780	1,809,491	94,054,834	236,852,628
Iron and steel products:						
Boilers, tanks and platework	20	3,243	13,937,039	559,289	19,968,611	42,658,272
Bridge building and structural steel	10	2,929	13,235,392	385,572	20,561,495	47,993,089
Castings, iron	14	1,408	5,438,054	270,872	6,865,525	19,434,759
Hardware, tools and cutlery	124	3,194	12,955,616	573,670	16,681,398	40,140,674
Heating and cooking apparatus	28	2,831	11,389,383	489,065	21,203,902	41,819,904
Machine shops	79	921	3,239,854	111,532	2,441,277	8,124,276
Machinery, household, office and store	26	4,502	17,414,460	306,326	37,911,148	81,016,335
Machinery, industrial ⁷	86	8,211	33,554,586	928,243	49,241,207	99,738,739
Miscellaneous iron and steel products	77	2,396	8,998,825	472,281	9,424,846	27,309,713
Sheet metal products	95	6,162	24,550,265	1,021,675	45,009,344	87,271,381
Wire and wire goods	32	448	1,697,898	97,657	3,501,003	6,971,152
Totals	591	36,245	146,411,372	5,216,202	232,809,756	502,478,294
Transportation equipment:						
Motor vehicle parts	38	3,103	12,038,838	506,007	20,015,405	44,850,750
All other industries ⁴	21	6,428	26,516,297	526,024	24,511,591	51,907,815
Totals	59	9,531	38,555,135	1,032,031	44,526,996	96,758,565
Non-ferrous metal products:						
Aluminum products	27	1,631	6,275,186	399,105	8,641,131	18,322,794
Brass and copper products	36	2,452	10,306,926	763,380	29,375,759	49,768,300
Jewellery and silverware	83	1,863	6,009,757	168,240	17,223,654	26,908,522
Miscellaneous non-ferrous metal products	8	857	4,048,083	218,172	5,416,055	11,431,882
White metal alloys	17	1,435	4,977,832	464,032	20,508,392	28,957,261
Totals	171	8,238	31,617,784	2,012,929	81,164,991	135,388,759
Electrical apparatus and supplies:						
Batteries	5	1,130	4,809,636	282,115	12,291,463	20,667,966
Machinery, heavy, electrical	28	5,560	22,813,830	403,423	30,886,040	68,925,074
Miscellaneous electrical products	66	6,217	24,718,604	815,372	50,065,411	96,652,389
Refrigerators, vacuum cleaners and appliances ..	31	2,435	9,767,355	611,587	24,771,080	43,141,102
Telecommunication equipment	39	5,996	22,064,039	586,440	33,623,443	74,473,443
Totals	169	21,338	84,173,464	2,798,937	151,637,437	303,859,974
Non-metallic mineral products:						
Clay products from domestic clay	7	400	1,539,088	636,835	55,208	3,532,142
Concrete products	42	1,110	4,664,232	491,086	10,455,588	22,425,466
Glass and glass products	39	1,455	5,472,249	773,858	5,730,521	14,118,805
Miscellaneous non-metallic mineral products	10	95	423,237	22,237	1,382,251	2,816,633
Sand-lime brick	3	66	251,305	34,155	132,507	523,378
Stone products	21	475	1,947,240	181,177	2,087,154	4,790,254
All other industries ⁹	6	156	693,971	33,320	743,990	1,680,182
Totals	128	3,757	14,991,322	2,172,668	20,587,219	49,886,860
Products of petroleum and coal:¹⁰						
Totals	11	2,382	13,059,505	169,673	9,016,246	15,653,487

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg, and Vancouver, 1957 - Continued

TORONTO METROPOLITAN AREA - Concluded

Industry	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Chemicals and allied products:						
Acids, alkalis and salts	3	431	2,143,750	245,950	2,970,704	5,443,905
Adhesives	11	338	1,328,219	214,456	3,600,613	7,557,531
Fertilizers	3	73	302,517	29,175	2,709,242	3,650,376
Gases, compressed	6	506	1,785,210	106,684	661,960	4,082,227
Inks	19	836	3,548,902	112,529	5,954,251	14,732,299
Medicinal and pharmaceutical preparations	50	2,045	6,642,223	179,912	9,800,822	34,379,004
Miscellaneous chemical products	65	813	3,287,887	314,241	12,041,652	22,310,250
Paints, varnishes and lacquers	42	2,287	9,014,501	439,548	27,948,891	57,101,668
Polishes and dressings	16	277	1,047,728	59,297	3,302,633	7,199,218
Primary plastics	6	179	797,594	65,692	4,539,811	6,503,717
Soaps, washing compounds and cleaning preparations	37	2,157	9,364,414	747,608	26,475,008	62,918,921
Toilet preparations	31	930	2,711,773	69,394	5,826,114	17,978,810
All other industries ¹	5	488	2,142,749	889,144	35,373,928	44,326,646
Totals	294	11,360	44,117,467	3,473,630	141,305,629	288,184,572
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	11	123	264,130	9,788	159,428	680,845
Brooms, brushes and mops	13	399	1,145,890	23,088	1,731,168	3,916,690
Buttons, buckles and fasteners	6	148	418,207	13,699	494,774	1,110,898
Clocks, watches and watch cases	12	287	977,898	14,505	4,966,131	8,054,389
Fountain pens and pencils	6	451	1,477,550	30,639	1,894,639	5,036,882
Hair goods	6	94	295,214	24,272	623,033	1,156,662
Ice, artificial	5	125	392,678	101,295	62,136	884,473
Instruments and related products	33	3,144	13,538,336	452,533	14,868,158	47,182,957
Lamps, electric and lamp shades	21	524	1,316,298	47,764	2,396,851	5,178,736
Models and patterns (excluding paper)	23	203	835,719	29,338	305,344	1,463,156
Musical instruments	9	521	1,749,029	67,479	1,874,148	4,805,721
Ophthalmic goods	6	398	1,328,670	29,127	883,322	1,901,545
Orthopaedic and surgical appliances	8	149	379,118	13,064	573,625	1,145,915
Other miscellaneous industries	13	471	1,493,515	35,943	2,095,203	5,314,130
Plastic products	54	1,300	4,021,257	162,186	6,878,913	14,299,816
Signs electric, neon and other	82	824	2,856,531	150,514	3,051,836	7,450,125
Sporting goods	16	657	2,089,512	63,095	2,375,912	6,499,130
Stamps and stencils, rubber and metal	18	334	1,185,298	31,330	594,132	2,140,374
Statuary, art goods and regalia	28	290	812,510	25,893	821,295	2,070,566
Toys and games	30	1,325	3,215,950	119,941	6,002,118	12,061,202
Typewriter supplies	5	335	1,066,543	31,356	2,417,131	4,739,969
All other industries ²	7	148	489,602	19,516	1,305,897	2,330,475
Totals	412	12,250	41,349,455	1,496,365	58,375,194	139,424,658
Grand totals, Metropolitan Toronto	4,765	210,395	783,250,045	35,341,922	1,542,445,150	3,031,304,841

¹ Includes: Animal oils and fats, 4; breakfast foods, 3; cheese processed, 1; distilled liquors, 3; flour mills, 3; macaroni and kindred products, 5.

² Includes: Belting leather, 1; boot and shoe findings, leather, 2; leather gloves and mittens, 3; leather tanning, 3.

³ Includes: Carpets, mats and rugs, 3; cordage, rope and twine, 2; cotton yarns, 3; cotton yarn and cloth, 2; linoleum and coated fabrics, 3; miscellaneous cotton goods, 3; synthetic textiles and silk, 1; woollen cloth, 2.

⁴ Includes: Oiled and waterproofed clothing, 2.

⁵ Includes: Beekeepers' and poultrymen's supplies, 1; boxes and baskets, wood, 8; cooperage, 1; excelsior, 2; mortician's supplies, 2; sawmills, 2; woodenware, 3.

⁶ Includes: Roofing paper, 2.

⁷ Includes: Agricultural implements, 1; machine tools, 1.

⁸ Includes: Aircraft and parts, 10; bicycles and parts, 2; boatbuilding, 3; miscellaneous transportation equipment, 2; motor vehicles, 1; railway rolling stock, 2; shipbuilding, 1.

⁹ Includes: Abrasive products, 1; asbestos products, 2; clay products from imported clay, 3.

¹⁰ Includes: Miscellaneous products of petroleum and coal, 6; petroleum products, 5.

¹¹ Includes: Coal tar distillation, 2; vegetable oils, 3.

¹² Includes: Candles, 1; pipes, lighter and smoker's supplies, 4; umbrellas, 2.

The following Municipalities are Included in Greater Toronto

Municipality	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Toronto (city proper)	3,312	132,356	482,758,834	20,936,055	961,000,335	1,832,080,726
Etobicoke Township	297	13,234	49,155,545	2,800,006	97,689,264	201,412,203
Forest Hill	10	46	141,292	14,060	184,693	409,217
Leaside	46	7,930	30,833,438	1,282,489	56,636,631	121,897,305
Long Branch	21	944	3,545,096	208,502	8,411,516	18,001,569
Mimico	40	871	3,337,212	202,008	6,172,045	11,800,341
New Toronto	43	7,599	33,087,232	2,218,641	93,688,537	175,804,092
Scarboro Township	284	11,047	41,404,780	2,456,784	74,652,757	154,926,920
Swansea	15	872	3,445,918	214,695	7,975,068	14,550,328
Weston	54	2,445	9,761,825	527,797	17,389,195	36,886,875
York Township	226	11,615	47,603,972	1,713,277	83,982,616	184,017,334
York East Township	106	4,969	17,618,693	1,056,333	40,937,736	71,110,131
York North Township	311	18,367	60,556,208	1,711,275	93,724,757	208,407,800
Totals	4,765	210,395	783,250,045	35,341,922	1,542,445,150	3,031,304,841

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1957 - Continued

HAMILTON METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products.....	57	1,300	3,874,270	359,304	4,263,691	10,018,117
Confectionery.....	7	305	804,905	41,644	1,821,080	4,985,199
Feed mills.....	5	14	31,725	8,609	261,388	324,511
Feeds, stock and poultry, prepared.....	5	16	38,367	7,446	199,535	267,527
Fruit and vegetable preparations.....	17	1,355	3,215,272	231,668	11,382,497	15,818,903
Milk pasteurizing.....	8	463	1,861,525	168,101	3,912,508	6,675,370
Carbonated beverages.....	9	170	518,612	66,641	835,981	2,578,127
All other industries ¹	28	1,628	5,775,638	529,612	39,847,690	57,309,702
Totals.....	136	5,251	16,120,314	1,413,025	62,524,370	97,977,456
Leather products:						
Totals.....	5	253	614,775	11,135	950,303	1,847,772
Textiles:						
Awnings, tents and sails.....	5	74	192,124	4,374	174,532	492,168
Cotton yarn and cloth.....	5	2,120	5,784,077	373,731	8,702,119	17,454,109
Miscellaneous textiles.....	4	58	97,810	1,408	116,763	254,244
All other industries ²	10	684	2,041,903	107,500	4,796,634	8,411,957
Totals.....	24	2,936	8,115,914	487,013	13,790,048	26,612,478
Clothing:						
Clothing, men's factory.....	7	764	1,892,139	27,648	2,503,873	5,141,436
Fur goods.....	4	21	55,093	2,469	124,783	252,400
Hats and caps.....	3	38	88,994	1,791	60,517	167,452
All other industries ³	3	30	66,628	1,328	74,139	200,159
Totals.....	17	853	2,102,854	33,236	2,763,312	5,761,447
Knitting mills:⁴						
Totals.....	6	1,420	3,192,490	112,026	4,932,314	9,296,028
Wood products:						
Boxes and baskets, wood.....	5	105	239,553	8,682	318,001	723,721
Furniture.....	34	216	796,431	31,375	600,707	1,549,178
Sash, door and planing mills.....	14	398	1,327,152	90,681	2,199,365	4,495,169
All other industries ⁵	10	147	435,042	30,675	696,286	1,459,761
Totals.....	63	866	2,798,178	161,413	3,814,359	8,227,829
Paper products:						
Boxes and bags, paper.....	13	961	3,248,575	156,795	10,751,149	17,707,846
Miscellaneous paper goods ⁶	8	768	2,643,903	129,033	7,674,737	13,089,681
Totals.....	21	1,729	5,892,478	285,828	18,425,886	30,797,527
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping.....	9	161	927,888	22,452	235,440	1,549,197
Printing and book binding.....	60	644	2,429,573	70,089	4,107,806	7,923,511
Publishing (only) of periodicals.....	20	277	152,765	—	291,965	523,225
All other industries ⁷	11	771	3,106,149	58,583	3,040,339	9,575,896
Totals.....	100	1,853	6,616,375	151,124	7,675,550	19,571,829
Iron and steel products:						
Castings, iron.....	9	688	2,719,248	238,218	8,727,235	13,955,663
Hardware, tools and cutlery.....	24	700	2,736,685	123,432	2,298,305	6,710,475
Machine shops.....	16	195	726,132	26,912	840,287	2,177,369
Machinery, industrial.....	12	1,076	4,735,714	228,178	5,612,906	15,348,082
Miscellaneous iron and steel products.....	15	272	1,110,467	48,436	2,293,571	4,388,072
Sheet metal products.....	25	1,913	8,207,589	447,299	15,668,449	29,086,494
Wire and wire goods.....	18	2,950	12,872,691	786,366	28,690,660	48,424,946
All other industries ⁸	20	17,742	86,433,677	17,770,596	173,357,249	372,353,807
Totals.....	139	25,536	119,542,203	19,669,437	237,488,682	492,444,908
Non-ferrous metal products:						
Brass and copper products.....	8	399	1,650,102	120,852	3,269,834	6,092,306
Jewellery and silverware.....	5	110	315,098	8,558	342,808	896,862
All other industries ⁹	9	344	1,316,079	146,715	3,469,281	5,863,608
Totals.....	22	853	3,281,279	276,125	7,101,923	12,852,776
Electrical apparatus and supplies:						
Totals.....	19	9,210	40,790,082	1,071,758	33,589,725	114,090,441

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto
Hamilton, Windsor, Winnipeg and Vancouver, 1957 — Continued**

HAMILTON METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Non-metallic mineral products:						
Clay products from domestic clay	7	206	700,342	201,804	22,337	1,894,341
Concrete products	17	469	1,731,019	217,673	2,002,538	5,389,552
Stone products	5	63	272,588	20,005	356,132	450,153
All other industries ¹¹	16	1,749	6,353,835	1,335,743	7,681,156	22,312,037
Totals	45	2,487	9,057,784	1,775,225	10,062,163	30,046,083
Products of petroleum and coal: ¹²						
Totals	6	958	4,012,055	2,002,437	26,952,142	43,073,706
Chemicals and allied products:						
Miscellaneous chemical products	12	260	1,213,981	76,855	4,018,364	7,102,900
Polishes and dressings	5	65	213,417	8,079	378,978	807,533
Miscellaneous chemical products	19	1,186	5,438,076	620,588	27,424,231	56,959,852
Totals	36	1,511	6,865,474	705,522	31,821,573	64,870,285
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	6	316	919,137	30,410	1,707,114	3,650,575
Models and patterns (excluding paper)	4	17	80,945	1,328	16,722	118,132
Plastic products	4	99	214,379	4,145	460,506	725,654
Signs, electric, neon and other	18	131	382,437	25,615	321,852	961,930
Sporting goods	3	24	59,453	1,060	49,259	136,804
Stamps and stencils, rubber and metal	4	83	329,216	8,842	111,215	534,339
All other industries ¹⁴	12	194	455,573	29,855	1,161,664	1,996,733
Totals	51	864	2,441,140	101,255	3,828,332	8,124,167
All other major groups: ¹⁵						
Totals	13	4,417	19,401,168	1,092,374	64,554,467	116,679,623
Grand totals, Metropolitan Hamilton	703	60,997	250,844,563	29,348,933	530,275,129	1,082,274,355

¹ Includes: Animal oils and fats, 1; biscuits, 3; breweries, 1; butter and cheese, 4; flour mills, 1; macaroni and kindred products, 1; miscellaneous food preparations, 8; sausage and sausage casings, 5; slaughtering and meat packing, 4.

² Includes: Bags, cotton and jute, 1; carpets, mats and rugs, 1; cordage, rope and twine, 1; cotton thread, 1; dyeing and finishing of textiles, 1; embroidery, pleating, hemstitching, etc., 2; miscellaneous woollen goods, 1; narrow goods, 1; woollen yarn, 1.

³ Includes: Clothing, women's factory, 1; corsets, 1; miscellaneous clothing, 1.

⁴ Includes: Hosiery, 1; other knitted goods, 5.

⁵ Includes: Cooperage, 1; flooring hardwood, 1; lasts, trees and shoe findings, 2; miscellaneous wood products, 3; mortician's supplies, 2; sawmills, 1.

⁶ Includes: Roofing paper, 2.

⁷ Includes: Lithographing, 2; printing and publishing, 7; trade composition, 2.

⁸ Includes: Agricultural implements, 1; boilers, tanks and plate work, 3; fabricated and structural steel, 2; heating and cooking apparatus, 3; machine tools, 3; machinery, household, office and store, 2; primary iron and steel, 6.

⁹ Includes: Aluminum products, 4; miscellaneous non-ferrous metal products, 1; white metal alloys, 4.

¹⁰ Includes: Batteries, 2; machinery, heavy, electrical, 3; miscellaneous electrical apparatus and supplies, 6; refrigerators, vacuum cleaners and appliance, 5; telecommunication equipment, 3.

¹¹ Includes: Abrasive products, 3; asbestos product, 3; clay products from imported clay, 4; glass and glass products, 4; miscellaneous non-metallic mineral products, 2.

¹² Includes: Coke and gas products, 4; miscellaneous products of petroleum and coal, 1; petroleum products, 1.

¹³ Includes: Acids alkalies and salts, 1; coal tar distillation, 1; fertilizers, 1; Gases, compressed, 1; medicinal and pharmaceutical preparations, 2; paints, varnishes and lacquers, 3; soaps, washing compounds and cleaning preparations, 7; toilet preparations, 2; vegetable oils, 1.

¹⁴ Includes: Buttons, buckles and fasteners, 1; ice, artificial, 2; lamps, electric and lamp shades, 1; ophthalmic goods, 2; orthopaedic and surgical appliances, 2; toys and games, 4.

¹⁵ Includes: tobacco and tobacco products, 1; rubber products, 5; transportation equipment: boatbuilding, 1; motor vehicles, 1; motor vehicle parts, 1; railway rolling stock, 4.

The following Municipalities are Included in Greater Hamilton

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Hamilton (city proper)	562	57,095	237,883,530	28,217,591	502,608,132	1,031,430,829
Burlington	31	1,114	3,888,314	270,325	8,165,911	16,191,348
Dundas	38	1,442	5,112,114	208,742	6,536,063	13,686,733
Stoney Creek	10	103	325,543	46,725	602,151	1,248,489
Waterdown	8	211	430,932	47,462	1,495,128	2,123,150
Barton Township	18	135	419,940	53,342	920,799	1,595,898
Nelson Township	6	299	919,971	55,141	3,622,919	5,439,976
All others ¹	30	598	1,864,219	449,605	6,324,026	10,557,932
Totals	703	60,997	250,844,563	29,348,933	530,275,129	1,082,274,355

¹ Burlington Beach, Ancaster Township, Flamborough East Township; Flamborough West Township, Saltfleet Township.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1937 — Continued**

WINDSOR METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products	25	523	1,518,411	170,370	1,931,712	4,044,106
Confectionery	3	7	14,259	1,005	22,160	44,253
Fruit and vegetable preparations	5	204	523,636	31,544	1,564,254	2,420,637
Miscellaneous food preparations	5	61	141,439	28,311	378,434	805,201
Sausage and sausage casings	3	29	72,753	6,818	305,651	412,870
Carbonated beverages	6	95	318,943	42,121	583,357	1,783,151
All other industries ¹	13	2,132	8,251,493	739,381	26,783,721	64,882,121
Totals	60	3,051	10,840,934	1,019,550	31,549,289	74,392,339
Textiles:²						
Totals	10	437	1,651,243	63,861	2,625,891	5,018,542
Clothing:³						
Totals	9	272	613,375	13,979	872,950	1,854,938
Wood products:						
Furniture	27	119	400,236	25,208	950,078	1,585,305
Sash door and planing mills	13	102	301,371	16,227	381,979	831,672
All other industries ⁴	4	30	93,866	5,825	210,998	470,234
Totals	44	251	795,473	47,260	1,543,055	2,887,211
Printing, publishing and allied industries:						
Printing and book binding	32	278	966,429	31,954	812,935	2,301,564
Publishing (only) of periodicals	11	10	15,612	—	48,534	69,636
All other industries ⁵	6	431	2,039,703	44,884	1,322,977	4,997,073
Totals	49	719	3,021,744	76,838	2,184,446	7,368,273
Iron and steel products:						
Castings, iron	6	861	3,205,730	242,042	3,381,354	8,404,035
Hardware, tools and cutlery	39	890	3,913,631	139,715	3,586,499	10,501,932
Machine shops	3	46	206,835	9,581	164,150	520,938
Machine tools	3	99	436,543	11,418	271,314	895,165
Machinery, industrial	7	573	2,776,081	62,931	2,895,025	7,809,908
All other industries ⁶	25	3,004	12,880,948	836,929	21,124,379	46,102,757
Totals	83	5,473	23,419,768	1,302,616	31,422,721	74,234,735
Transportation equipment:⁷						
Totals	32	18,177	77,670,221	3,475,942	215,061,222	342,644,679
Non-ferrous metal products:						
Brass and copper products	4	83	305,537	12,056	899,118	1,605,061
All other industries ⁸	6	50	174,966	5,890	361,364	627,884
Totals	10	133	480,503	17,946	1,260,482	2,232,945
Electrical apparatus and supplies:⁹						
Totals	6	74	320,672	15,502	312,751	943,935
Non-metallic mineral products:						
Concrete products	6	175	724,737	122,805	674,534	2,058,621
All other industries ¹⁰	7	787	3,309,358	602,871	5,311,651	16,604,176
Totals	13	962	4,034,095	725,676	5,986,185	18,662,797

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1957 — Continued**

WINDSOR METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Chemicals and allied products:						
Medicinal and pharmaceutical preparations	9	721	2,970,957	76,866	4,570,646	17,520,196
Miscellaneous chemical products ¹¹	5	40	126,363	8,239	117,392	494,736
Paints, varnishes and lacquers	6	201	792,256	55,368	2,390,765	4,530,029
Soaps, washing compounds and cleaning prepara- tions	4	20	60,755	5,339	167,624	259,007
Toilet preparations	4	16	33,250	1,100	38,000	79,000
Totals	28	998	3,983,581	146,912	7,284,427	22,882,968
Miscellaneous manufacturing industries:						
Models and patterns (excluding paper)	7	153	706,747	14,966	316,352	1,522,239
Signs, electric, neon and other	7	36	147,011	15,236	75,082	310,635
Sporting goods	6	52	175,802	5,472	246,752	489,511
All other industries ¹²	15	188	688,075	63,775	1,295,926	3,065,740
Totals	35	429	1,717,635	99,449	1,934,112	5,388,125
All other major groups: ¹³						
Totals	3	96	385,333	15,065	817,287	1,611,037
Grand totals, Metropolitan Windsor	382	31,072	128,934,577	7,020,596	302,854,818	560,122,524

¹ Includes: Breakfast foods, 1; breweries, 1; butter and cheese, 3; dairy products, other, 1; distilled liquor, 1; milk pasteurizing, 2; slaughtering and meat packing, 3; stock and poultry feeds, prepared, 1.

² Includes: Automobile accessories, fabric, 2; awnings, tents and sails, 5; bags, cotton and jute, 1; miscellaneous textiles, 2.

³ Includes: Clothing, children's factory, 1; clothing, men's factory, 2; fur goods, 5; gloves and mittens, fabric, 1.

⁴ Includes: Boxes and baskets, wood, 1; miscellaneous wood products, 1; sawmills, 1; woodturning, 1.

⁵ Includes: Engraving, stereotyping and electrotyping, 1; lithographing, 1; printing and publishing, 2; trade composition, 2.

⁶ Includes: Boilers, tanks and platework, 1; fabricated and structural steel, 2; heating and cooking apparatus, 1; machinery, household office and store, 2; miscellaneous iron and steel products, 8; primary iron and steel, 1; sheet metal products, 8; wire and wire goods, 2.

⁷ Includes: Boatbuilding, 2; motor vehicles, 2; motor vehicle parts, 28.

⁸ Includes: Aluminum products, 2; jewellery and silverware, 3; white metal alloys, 1.

⁹ Includes: Batteries, 1; machinery, heavy, electrical, 2; miscellaneous electrical apparatus and supplies, 2; telecommunication equipment, 1.

¹⁰ Includes: Glass and glass products, 3; miscellaneous non-metallic mineral products, 1; salt mining, 2; store products, 1.

¹¹ Includes: Gases, compressed, 1.

¹² Includes: Buttons, buckles and fasteners, 1; clocks, watches and watch cases, 1; ice, artificial, 2; instruments and related products, 1; orthopaedic and surgical appliances, 1; pipes lighters and smoker's supplies, 1; plastic products, 4; stamps and stencils, rubber and metal, 2; toys and games, 2.

¹³ Includes: Rubber products, 1; paper products, boxes and bags paper, 1; miscellaneous paper goods, 1.

The Following Municipalities are Included in Greater Windsor

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Windsor (city proper)	318	29,377	122,169,670	6,568,182	290,073,160	533,531,623
Riverside	10	164	554,022	48,719	1,170,726	2,241,222
All others ¹	84	1,531	6,210,885	403,695	11,610,932	24,349,679
Totals	382	31,072	128,934,577	7,020,596	302,854,818	560,122,524

¹ Includes: Lasalle; Ojibway; St. Clair Beach; Tecumseh; Sandwich East Township; Sandwich West Township; Sandwich South Township.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1957 - Continued

WINNIPEG METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products	66	1,291	3,961,900	420,411	5,549,005	12,548,904
Breweries	6	658	2,756,707	196,185	2,683,476	12,709,063
Butter and cheese	9	774	2,573,192	257,223	10,047,627	14,220,371
Confectionery	13	346	791,074	51,402	1,911,985	3,340,723
Feed mills	4	14	41,063	6,769	155,756	239,552
Feeds, stock and poultry, prepared	16	175	590,067	80,697	5,355,158	7,030,885
Flour mills	4	495	1,517,595	183,326	17,373,576	20,152,392
Fruit and vegetable preparations	7	92	251,840	22,874	790,324	1,315,794
Milk pasteurizing	4	153	527,427	61,981	2,270,641	3,378,644
Miscellaneous food preparations	20	555	1,970,154	324,585	13,690,818	19,378,934
Sausage and sausage casings	9	160	547,676	48,853	2,921,825	3,574,111
Slaughtering and meat packing	10	2,880	11,155,405	628,236	78,290,501	104,619,823
Carbonated beverages	10	252	840,898	100,312	1,727,191	5,019,776
All other industries ¹	10	631	1,822,404	373,727	7,615,817	14,293,850
Totals	188	8,476	29,347,402	2,756,581	150,383,700	221,822,822
Leather products:						
Footwear, leather	6	296	730,423	9,420	1,704,366	2,636,255
Gloves and mittens, leather	7	260	567,015	10,915	954,978	1,694,003
Miscellaneous leather goods ²	8	183	445,894	26,614	975,995	1,722,667
Totals	21	739	1,743,332	46,949	3,635,339	6,052,925
Textiles:						
Awnings, tents and sails	6	85	198,348	7,797	519,518	803,296
Embroideries, pleating, hemstitchings etc.	5	40	77,175	2,233	54,351	179,058
Miscellaneous textiles	12	116	254,993	10,941	730,333	1,235,151
All other industries ³	7	269	732,213	27,940	4,788,956	6,079,787
Totals	30	510	1,262,729	48,911	6,093,158	8,297,292
Clothing and knitting mills:						
Clothing, children's factory	7	357	722,727	10,543	1,332,231	2,643,057
Clothing, men's factory	50	2,763	6,014,764	95,123	14,402,627	23,362,949
Clothing, women's factory	25	1,598	4,018,489	40,932	7,147,248	13,195,854
Fur goods	46	454	1,360,983	26,439	2,307,758	4,125,883
Hats and caps	13	379	749,226	11,833	1,022,834	2,051,750
All other industries ⁴	10	342	818,764	23,093	683,696	2,021,890
Totals	151	5,893	13,684,953	207,963	26,896,394	47,401,383
Wood products:						
Boxes and baskets, wood	3	106	296,065	13,091	417,075	834,123
Furniture	109	1,855	5,498,986	217,960	10,958,672	19,799,007
Miscellaneous wood products	9	83	255,672	23,924	371,101	834,811
Sash, door and planing mill	18	389	1,142,258	53,794	1,620,560	3,187,962
All other industries ⁵	6	150	349,508	18,228	576,044	1,257,212
Totals	145	2,583	7,542,489	326,997	13,943,452	25,913,115

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1957 — Continued**

WINNIPEG METROPOLITAN AREA — Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Paper products:						
Boxes and bags, paper	10	623	2,038,511	101,519	6,717,074	10,492,886
Miscellaneous paper goods	8	216	576,079	20,707	2,935,125	4,841,212
All other industries ⁶	6	268	970,662	253,988	1,903,894	4,059,412
Totals	24	1,107	3,585,252	376,214	11,556,093	19,393,510
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	7	179	755,733	12,665	167,078	1,194,337
Printing and bookbinding	76	1,279	4,221,705	106,437	3,700,027	10,839,610
Printing and publishing	30	1,667	5,726,045	125,374	5,037,499	16,444,348
Publishing (only) of periodicals	103	166	339,337	—	929,216	1,602,494
All other industries ⁷	5	242	623,153	8,007	411,544	1,296,046
Totals	221	3,533	11,665,973	252,483	10,245,364	31,376,835
Iron and steel products:						
Agricultural implements	12	469	1,579,492	85,328	4,226,100	7,620,723
Hardware, tools and cutlery	4	39	104,780	4,548	49,323	194,293
Machine shops	27	261	914,254	36,023	655,155	2,092,901
Machinery industrial	11	394	1,443,643	47,542	1,607,520	4,059,057
Miscellaneous iron and steel products	10	692	2,682,198	110,531	5,003,138	8,799,002
Sheet metal products	26	989	3,405,375	114,952	7,109,725	11,509,859
Wire and wire goods	3	24	56,307	2,075	23,380	166,477
All other industries ⁸	13	1,499	5,878,718	201,813	10,923,156	19,293,890
Totals	106	4,367	16,064,767	602,812	29,597,497	53,736,202
Transportation equipment:						
Motor vehicle parts	10	331	1,064,793	43,942	1,295,077	3,804,762
All other industries ⁹	11	6,639	23,658,693	745,009	23,859,588	50,332,858
Totals	21	6,970	24,723,486	788,951	25,154,665	54,137,620
Non-ferrous metal products:						
Brass and copper products	4	147	551,789	50,948	1,636,538	2,778,036
Jewellery and silverware	4	32	77,435	2,200	130,666	326,405
Miscellaneous non-ferrous metal products ¹⁰	4	4	4,891	1,074	9,529	22,847
White metal alloys	3	77	237,229	48,832	1,476,373	2,067,534
Totals	15	260	871,344	103,054	3,253,106	5,194,822
Electrical apparatus and supplies:						
Miscellaneous electrical apparatus and supplies ..	9	270	686,276	63,223	2,857,183	4,573,684
All other industries ¹¹	10	805	2,863,178	78,969	4,255,661	9,825,030
Totals	19	1,075	3,549,454	142,192	7,112,844	14,398,714
Non-metallic mineral products and products of petro- leum and coal:						
Clay products from domestic clay	3	97	282,706	88,630	4,400	251,104
Lime	3	11	34,635	9,042	13,315	365,473
Miscellaneous non-metallic mineral products	3	24	94,806	13,077	101,538	300,250
Stone products	5	62	233,366	9,128	174,806	596,097
All other industries ¹²	16	1,633	5,462,712	3,326,346	17,244,639	36,099,087
Totals	30	1,827	6,108,225	3,446,223	17,538,698	37,612,011

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1957 — Continued

WINNIPEG METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Chemicals and allied products:						
Gases, compressed.....	3	86	301,390	21,836	214,856	1,411,077
Medicinal and pharmaceutical preparations	7	117	316,050	18,785	503,735	1,467,575
Miscellaneous chemical products.....	5	100	354,083	10,639	875,259	1,551,461
Paints, varnishes and lacquers	5	270	782,408	45,065	3,121,045	5,615,576
Soaps, washing compounds and cleaning prepara- tions	6	44	108,047	10,731	620,372	1,384,390
All other industries ¹³	9	49	136,818	20,285	803,055	1,418,638
Totals.....	35	666	1,998,796	127,341	6,138,322	12,848,717
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	5	121	312,147	10,584	618,045	1,019,149
Orthopaedic and surgical appliances.....	5	15	29,293	2,868	30,377	79,557
Signs, electric, neon and other.....	11	186	675,980	42,656	402,531	1,507,695
Stamps and stencils (rubber and metal).....	5	15	54,007	390	32,760	102,963
Statuary, art goods and regalia.....	9	104	209,292	5,946	162,938	522,716
All other industries ¹⁴	21	305	750,608	47,117	2,358,985	4,460,360
Totals.....	56	746	2,031,327	109,561	3,605,636	7,692,440
All other major groups:						
Totals	3	8	15,681	2,295	41,670	71,113
Grand totals, Metropolitan Winnipeg.....	1,065	38,760	124,195,210	9,338,527	315,195,938	545,949,521

¹ Includes: Animal oils and fats, 2; biscuits, 3; breakfast foods, 2; macaroni and kindred products, 2; sugar refining, 1.

² Includes: Leather tanning 1.

³ Includes: Automobile accessories, fabric, 2; carpets, mats and rugs, 2; cotton and jute bags, 3.

⁴ Includes: Clothing contractors, women's, 1; fur dressing and dyeing, 2; miscellaneous clothing, 4; other knitted goods, 3.

⁵ Includes: Excelsior, 1; mortician's supplies, 3; veneers and plywood, 1; woodenware, 1.

⁶ Includes: Pulp and paper mills, 2; roofing paper, 4.

⁷ Includes: Lithographing, 2; trade composition, 3.

⁸ Includes: Boilers, tank and plate work, 1; castings, iron, 6; fabricated and structural steel, 2; heating and cooking apparatus, 3; machinery, household, office and store, 1.

⁹ Includes: Aircraft and parts, 2; boatbuilding, 3; motor vehicles, 2; railway rolling stock, 4.

¹⁰ Includes: Aluminum products, 1.

¹¹ Includes: Batteries, 2; machinery heavy, electrical, 2; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 1.

¹² Includes: Cement, hydraulic, 1; concrete products, 7; glass and glass products, 2; Gypsum products, 2; coke and gas products, 1; miscellaneous products of petroleum and coal, 1; petroleum products, 2.

¹³ Includes: Adhesives, 1; coal tar distillation, 2; inks, 2; polishes and dressings, 1; toilet preparations, 2; vegetable oils, 1.

¹⁴ Includes: Artificial flowers and feathers, 1; clocks, watches and watch cases, 2; hair goods, 1; ice, artificial, 1; instruments and related products, 1; lamps, electric and lampshades, 2; models and patterns, excluding paper, 2; ophthalmic goods, 1; other miscellaneous industries, 1; plastic products, 1; sporting goods, 1; toys and games, 1.

The Following Municipalities are Included in Greater Winnipeg

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Winnipeg (city proper).....	856	27,039	83,809,725	4,069,453	166,092,377	314,229,185
St. Boniface	89	4,881	17,236,521	2,303,218	106,355,736	144,337,906
St. James	46	2,716	9,188,180	329,651	15,388,364	32,010,968
Kildonan East Municipality	19	481	1,540,254	164,457	3,573,801	6,622,001
All others ¹	55	3,643	12,420,530	2,471,748	23,785,660	48,749,461
Totals	1,065	38,760	124,195,210	9,338,527	315,195,938	545,949,521

¹ Includes: Brooklands; Transcona; Tuxedo; Assiniboia Municipality; Charleswood Municipality; Fort Garry Municipality; Kildonan North Municipality; Kildonan West Municipality; Old Kildonan Municipality; St. Vital Municipality.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1957 - Continued**

VANCOUVER METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Foods and beverages:						
Bread and other bakery products	154	2,021	6,652,778	508,324	9,106,138	20,808,284
Breweries	3	452	1,872,649	162,761	3,329,753	14,564,101
Butter and cheese	12	1,312	5,098,397	385,546	14,817,776	23,023,073
Confectionery	24	277	664,683	65,519	1,611,475	2,747,640
Dairy products, other	4	96	429,718	60,780	1,289,793	2,394,998
Feeds, stock and poultry, prepared	12	427	1,442,197	162,751	8,962,087	12,249,026
Fish processing	22	1,652	5,561,000	367,000	23,937,800	36,472,700
Foods, breakfast	3	16	32,728	2,726	116,609	192,937
Fruit and vegetable preparations	22	999	2,613,367	207,184	11,041,262	15,470,849
Milk pasteurizing	5	80	322,881	48,324	1,969,391	2,795,114
Miscellaneous preparations	40	884	2,646,760	186,060	36,222,063	45,469,113
Sausage and sausage casings	11	187	735,952	61,121	2,387,999	3,848,741
Slaughtering and meat packing	9	1,534	6,183,158	409,143	46,974,547	56,096,420
Carbonated beverages	8	234	769,138	105,686	1,413,456	4,666,747
All other industries ¹	12	1,148	4,404,417	737,266	20,374,735	31,375,666
Totals	341	11,319	39,429,823	3,470,191	183,554,884	272,175,409
Leather products:						
Footwear leather	7	203	544,760	17,096	1,085,240	1,656,506
Gloves and mittens leather	4	81	167,466	3,114	205,852	465,086
All other industries ²	9	179	499,220	13,659	719,699	1,682,156
Totals	20	463	1,211,446	33,869	2,010,791	3,803,748
Textiles:						
Awnings, tents and sails	8	182	468,416	16,832	865,601	1,725,203
Miscellaneous textiles	6	44	123,306	13,043	402,402	653,851
All other industries ³	22	445	1,368,483	85,468	3,544,473	5,728,975
Totals	36	671	1,960,205	115,343	4,812,476	8,108,029
Clothing and knitting mills:						
Clothing, men's factory	19	726	1,739,903	34,530	2,899,219	5,248,008
Clothing, women's factory	18	700	1,762,507	29,293	2,585,908	5,497,512
Fur goods	17	82	217,032	8,449	236,739	607,707
All other industries ⁴	9	331	808,857	17,371	1,154,252	2,635,275
Totals	63	1,839	4,528,299	89,643	6,876,118	13,988,502
Wood products:						
Boxes and baskets, wood	14	78	203,412	20,276	372,455	685,784
Furniture	169	1,955	6,507,952	224,957	10,529,655	20,204,130
Miscellaneous wood products	27	625	2,365,020	155,232	7,283,464	10,704,062
Mortician's goods	4	74	220,233	6,607	410,404	739,946
Sash, door and planing mills	59	1,155	4,362,918	192,002	9,426,013	16,812,905
Sawmills	91	8,856	36,464,108	1,380,957	71,665,926	124,332,177
Veneers and plywoods	11	4,020	15,550,241	602,411	28,448,459	51,230,057
Woodenware	3	54	156,735	4,664	199,624	428,206
All other industries ⁵	5	108	441,724	20,279	1,014,452	1,673,724
Totals	383	16,925	66,272,343	2,607,385	129,350,452	226,810,991
Paper products:						
Boxes and bags, paper	15	1,121	4,050,428	170,516	13,277,230	22,098,325
Miscellaneous paper goods	10	323	1,048,465	42,788	3,400,802	5,063,871
All other industries ⁶	4	1,072	5,333,967	472,314	6,757,996	14,832,003
Totals	29	2,516	10,432,860	685,618	23,436,028	41,994,199

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1957 - Continued**

VANCOUVER METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Printing, publishing and allied industries:						
Engraving stereotyping and electrotyping	11	152	736,785	17,835	216,159	1,314,540
Lithographing	12	289	1,154,908	27,636	1,415,061	3,198,824
Printing and bookbinding	107	1,263	4,686,718	115,184	3,188,429	9,878,865
Printing and publishing	19	1,833	7,907,659	139,894	5,714,676	21,447,516
Publishing (only) of periodicals	115	259	604,960	—	1,675,904	4,104,394
Trade composition	3	28	68,140	1,320	2,740	101,420
Totals	267	3,824	15,159,170	301,869	12,212,969	40,045,559
Iron and steel products:						
Boilers, tanks and plate work	16	737	3,575,040	116,451	5,420,045	9,971,156
Castings, iron	14	694	3,259,695	158,387	8,922,752	14,512,303
Hardware, tools and cutlery	20	495	2,005,299	96,862	3,503,108	7,949,685
Heating and cooking apparatus	13	324	1,218,260	48,580	1,931,526	3,467,563
Machine shops	49	623	2,602,911	88,042	1,865,695	5,528,902
Machinery, industrial	41	2,003	8,530,675	234,371	9,036,567	23,077,141
Miscellaneous iron and steel products	34	408	1,664,725	114,331	2,698,327	5,450,955
Primary iron and steel	6	410	1,756,866	360,752	3,226,564	6,106,357
Sheet metal products	33	1,058	4,607,848	191,705	14,487,087	24,335,193
Wire and wire goods	15	403	1,554,186	65,030	3,766,547	7,392,698
All other industries ⁷	8	1,867	9,132,190	260,611	15,169,670	29,704,538
Totals	249	9,022	39,907,695	1,735,122	70,027,888	137,496,491
Transportation equipment:						
Boatbuilding	42	277	1,012,415	29,154	928,416	2,253,287
Motor vehicle parts	17	304	1,320,215	58,223	1,973,221	4,248,131
Shipbuilding	16	2,781	13,078,961	311,931	3,306,319	25,556,197
All other industries ⁸	6	459	1,865,386	71,278	1,762,937	4,755,889
Totals	81	3,821	17,276,977	470,586	7,970,893	36,813,504
Non-ferrous metal products:						
Aluminum products	9	65	256,627	18,573	244,019	832,112
Brass and copper products	13	171	738,168	45,726	1,239,532	2,449,856
Jewellery and silverware	14	120	341,551	4,147	319,530	726,314
All other industries ⁹	7	100	420,145	38,686	1,233,249	1,885,605
Totals	43	456	1,756,491	107,132	3,036,330	5,893,887
Electrical apparatus and supplies:						
Batteries	5	72	197,361	15,908	465,463	867,499
Miscellaneous electrical apparatus and supplies ..	15	440	1,814,283	65,266	7,802,518	10,923,398
Telecommunication equipment	9	161	442,670	23,663	604,902	1,715,309
All other industries ¹⁰	8	343	1,546,014	40,617	2,635,747	5,652,539
Totals	37	1,016	4,000,328	145,474	11,508,630	19,158,745
Non-metallic mineral products:						
Concrete products	21	749	3,214,710	271,660	6,065,468	11,558,965
Glass and glass products	8	69	183,795	5,419	255,435	474,937
Stone products	6	102	426,181	44,804	476,696	1,403,392
All other industries ¹¹	13	264	926,835	281,121	1,770,799	3,989,197
Totals	48	1,184	4,731,521	603,004	8,568,398	17,426,491

See footnotes at end of table.

**Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1957 — Concluded**

VANCOUVER METROPOLITAN AREA — Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Chemicals and allied products:						
Gases compressed	4	108	422,331	50,902	350,312	2,039,180
Medicinal and pharmaceutical preparations	10	43	128,965	4,410	199,762	466,763
Miscellaneous chemical products	19	174	606,834	22,521	666,968	1,152,865
Paints, varnishes and lacquers	12	278	1,034,128	49,016	2,713,131	5,059,896
Primary plastics	3	94	363,451	40,061	3,280,945	5,345,386
Soaps, washing compounds and cleaning preparations	11	67	186,735	11,880	514,031	1,351,020
Toilet preparations	3	4	8,000	300	4,000	14,000
All other industries ¹²	15	188	698,223	432,520	3,360,288	5,252,540
Totals	77	956	3,448,667	611,610	11,089,437	20,681,650
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	6	79	236,803	6,216	255,529	627,378
Ice artificial	4	27	90,044	30,608	28,806	236,412
Lamps, electric and lamp shades	3	70	198,769	5,266	325,592	619,025
Models and patterns (excluding paper)	5	26	129,157	2,807	28,728	193,927
Orthopaedic and surgical appliances	6	17	53,868	2,671	32,632	116,343
Plastic products	11	85	207,156	8,963	447,793	752,234
Signs, electric, neon and other	32	521	2,221,904	65,017	1,725,125	4,779,810
Sporting goods	8	67	165,549	9,133	187,523	523,827
Stamps and stencils, rubber and metal	8	60	193,063	7,122	104,207	404,361
Statuary, art goods and regalia	6	17	29,209	2,373	10,798	48,616
Umbrellas	3	19	44,841	2,730	78,854	171,418
All other industries ¹³	9	43	157,832	8,803	126,822	407,519
Totals	101	1,031	3,728,195	151,709	3,352,409	8,880,870
All other major groups:						
Totals	7	957	4,720,732	1,658,228	45,225,833	84,572,240
Grand totals, Metropolitan Vancouver	1,782	56,000	218,584,752	12,786,783	523,033,536	937,850,315

¹ Includes: Animal oils and fats, 1; biscuits, 2; distilled liquors, 3; flour mills, 1; macaroni and kindred products, 3; sugar refining, 1; wines, 1.

² Includes: Leather tanning, 2; miscellaneous leather goods, 7.

³ Includes: Automobile accessories, fabric, 2; bags, cotton and jute, 2; cordage, rope and twine, 4; cotton, yarn and cloth, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, etc., 4; linoleum and coated fabrics, 1; miscellaneous cotton goods, 2; miscellaneous woollen goods, 2; woollen cloth, 3.

⁴ Includes: Clothing, children's factory, 1; fur dressing and dyeing, 1; hats and caps, 1; miscellaneous clothing, 2; hosiery, 1; other knitted goods, 3.

⁵ Includes: Beekeeper's and poultrymen's supplies, 1; cooperage, 1; flooring, hardwood, 1; woodturning, 2.

⁶ Includes: Pulp and paper mills, 2; roofing paper, 2.

⁷ Includes: Agricultural implements, 1; fabricated and structural steel, 5; machinery, household, office and store, 2.

⁸ Includes: Aircraft and parts, 3; motor vehicles, 2; railway rolling stock, 1.

⁹ Includes: Miscellaneous non-ferrous metal products, 3; white metal alloys, 4.

¹⁰ Includes: Machinery, heavy, electrical, 5; refrigerators, vacuum cleaners and appliances, 3.

¹¹ Includes: Asbestos products, 2; clay products from domestic clay, 3; clay products from imported clay, 2; gypsum products, 1; lime, 1; miscellaneous non-metallic mineral products, 4.

¹² Includes: Acids, alkalies and salts, 3; adhesives, 3; coal tar distillation, 1; fertilizers, 2; inks, 3; polishes and dressings, 2; vegetable oils, 1.

¹³ Includes: Candles, 1; fountain pens and pencils, 1; hair goods, 2; instruments and related products, 2; musical instruments, 1; toys and games, 1; typewriter supplies, 1.

The following Municipalities are Included in Greater Vancouver

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Vancouver (city proper)	1,280	35,666	138,199,452	6,578,883	305,719,965	540,766,123
New Westminster	105	6,054	22,916,986	1,756,674	60,815,813	107,183,783
North Vancouver	70	3,140	13,903,547	910,878	12,382,700	37,125,864
Port Coquitlam	7	81	300,144	34,084	359,036	674,591
Port Moody	7	682	2,889,323	118,517	10,913,380	15,977,664
Burnaby District Municipality	109	4,588	19,691,208	2,379,408	79,568,486	143,342,502
Richmond District Municipality	77	2,482	8,340,703	639,231	28,625,961	47,948,509
Surrey District Municipality	66	928	3,061,884	208,822	8,110,213	13,033,966
All others ¹	61	2,379	9,281,505	160,286	16,537,982	31,797,313
Totals	1,782	56,000	218,584,752	12,786,783	523,033,536	937,850,315

¹ Includes: Coquitlam District Municipality; Delta District Municipality; Fraser Mills District Municipality; North Vancouver District Municipality; University Endowment Area; West Vancouver District Municipality; Unorganized and Indian Reserves.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1957

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 37,875 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of two of the larger groups. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by the manufacturer, would have been included in values of commodities appearing on the list. However, the products not specified total only about 2.1 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 4.8 per cent and in transportation equipment 7.3 per cent. With the exception of these groups, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

It should be noted that a shipments' concept instead of the value of production concept was adopted in 1952. Items still collected on a production basis are marked with an asterisk.

Alphabetical List of Commodities, 1957

Note: In 1952 and subsequent years the basis of collection, is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked * are still on a production basis.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Abrasive cloth	—	—	1
Abrasive paper	—	—	1
Abrasive wheels and segments	—	—	7,100,348
Abrasives, not specified (see also "Alumina, fused (crude)" and "Silicon carbide")	—	—	1,652,018
Absorbent cotton	—	—	1
Accelerators, synthetic	—	—	1
Acetaldehyde	—	—	1
Acetic anhydride	—	—	1
Acetone	—	—	1
Acetylene in cylinders or pipe line	cu. ft.	381,444,139	8,653,914
Acid, acetic, glacial, 99%	—	—	1
Acid, adipic	—	—	1
Acid, citric	—	—	1
Acid, fatty, coconut, tallow, etc.	lb.	13,614,887	1,823,626
Acid, hydrochloric (Muriatic)	—	—	1,408,386
Acid, hydrofluosilicic	—	—	1
Acid, monochloro acetic	—	—	1
Acid, nitric	—	—	1
Acid, phosphoric	—	—	1
Acid, stearic	—	—	1
Acid, sulphuric	—	—	1
Quantity made	ton	1,290,223	—
Quantity shipped	"	1,181,411	16,014,687
Acids, not specified	—	—	624,631
Adhesives, n.e.s.	—	—	6,854,953
Advertising matter, printed, n.e.s.	—	—	57,585,681
Advertising displays (see "Displays")	—	—	1
Agitators, mining and metallurgical	—	—	1
Agricultural implements and parts, n.e.s.	—	—	22,014,906
Air conditioning equipment n.e.s.	—	—	7,344,821
Aircraft and parts:			
Aircraft completed during the year*	—	—	129,257,269 ²
Aircraft being built but not completed	—	—	69,548,094
Aircraft repairs (Value of work done)	—	—	82,862,441
Aircraft parts manufactured*	—	—	74,537,371
Value of work done on developing aircraft and engines, (including other products n.e.s.)	—	—	129,281,072
Value of work done in 1956 on aircraft completed in 1957	—	—	55,289,194
Albumen, powdered, (included in "Egg substitute")	—	—	1
Alcohol, butyl	—	—	1
Alcohol, industrial, (produced)	pf. gal.	5,065,187	1,857,807
Alcohol, industrial, (sold):			
Denatured:			
Antifreeze	st. gal.	51,148	66,858
Perfume manufacturing	"	267,250	275,320
Rubbing alcohol	"	135,930	130,641
Solvents and cleaning fluids	"	1,074,313	896,862
Other, including that for hospitals research, etc.	"	494,126	477,346
Not denatured	pf. gal.	3,823,066	1,842,060
Alcohol, isopropyl	—	—	1
Alcohol, normal propyl	—	—	1
Alkylation feed stocks*	—	—	1
Alloys, cutting	—	—	1
Alloy, die casting	—	—	1
Almond paste	—	—	1
Alumina, fused (crude)	lb.	10,527,122	1,613,252
Alumina, fused (abrasive grains)	"	93,649	36,520
Aluminum bars, rods and ingots	ton	218,187	21,902,425
Aluminum extruded shapes	—	—	1
Aluminum fluoride	lb.	25,483,777	13,321,074
Aluminum sulphate	—	—	1
Aluminum products, n.e.s.	—	—	1
Ammonia, anhydrous	—	—	11,390,230
Ammonia, aqua	ton	561	47,471
Ammonia, powder	"	640	117,360
Ammonium chloride	—	—	1
Ammonium nitrate (regular)	—	—	1
Ammonium nitrate (fertilizer grade)	—	3	3
Ammonium phosphate	—	3	3
Ammonium sulphate, other than milled, screened and bagged	—	3	3
Ammonium sulphate, milled, screened and bagged	ton	363	21,464
Ammunition (see "Munitions and war supplies")	—	—	1
Antibiotics, including penicillin and streptomycin, etc.	—	—	11,652,724
Anti-freeze preparations, glycol type	—	—	3,725,628
Anti-freeze, alcohol type (see "Alcohol, industrial, denatured, sold")	—	—	1
Apple butter	—	—	1
Apple juice (included in "Fruit Juices")	—	—	1
Apple juice concentrate	—	—	1
Apple pomace, chop and waste	—	—	1
Apples, evaporated and dehydrated	lb.	1,393,620	405,938
Aprons, plastic, rubber, etc.	—	—	262,315
Aprons, fabric:			
Children's	doz.	11,420	42,630
Men's and youths'	"	17,854	261,375
Women's and misses'	"	250,966	1,211,748
Not specified	—	—	221,935
Archery tackle	—	—	187,166

¹ Indicates that the commodity was reported by one or two concerns.

² Does not include value of equipment and parts supplied as free issue by the government.

³ Included in "Fertilizers, other than mixed".

Alphabetical List of Commodities, 1957 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Armlets and sleeve supporters	doz. pr.	9,911	27,492
Artists' brushes (included in "Brushes, other, not specified")	—	—	—
Artware, pottery (see also "Pottery")	—	—	343,349
Art needlework	—	—	143,528
Art work (printing)	—	—	3,577,076
Asbestos products, including clutch facings	—	—	4,322,540
Asphalt ¹	Imp. gal.	287,121,465	37,910,342
Asphalt emulsion	"	18,238,869	4,297,867
Asphalt products, n.e.s.	—	—	2,609,187
Atomizers	—	—	—
Automobiles, commercial:			
6,000 lbs. or less:			
For sale in Canada	No.	31,436	47,631,535
For export	"	3,220	3,381,357
5,001 to 10,000 lbs:			
For sale in Canada	"	9,745	16,336,840
For export	"	330	423,625
10,001 to 14,000 lbs:			
For sale in Canada	"	2,141	3,834,407
For export	"	193	216,808
14,001 to 16,000 lbs:			
For sale in Canada	"	2,054	4,397,715
For export	"	754	1,182,900
16,001 to 19,500 lbs:			
For sale in Canada	"	7,094	16,747,942
For export	"	2,509	2,050,965
19,501 to 26,000 lbs:			
For sale in Canada	"	9,582	30,948,667
For export	"	4	13,546
26,000 to 33,000 lbs:			
For sale in Canada	"	1,704	9,378,929
Over 33,000 lbs:			
For sale in Canada	"	597	4,529,565
For export	"	1	11,500
Automobiles, passenger:			
Convertible cars:			
Soft top:			
For sale in Canada	"	4,007	9,013,732
For export	"	55	98,177
Hard top:			
For sale in Canada	"	61,496	131,164,792
For export	"	1,267	1,978,894
Permanent closed cars:			
2 door sedan or coupe:			
For sale in Canada	"	56,250	99,087,279
For export	"	90	134,582
4 door sedan:			
For sale in Canada	"	174,183	331,403,629
For export	"	12,767	16,799,482
Station wagon type:			
For sale in Canada	"	22,480	46,036,423
For export	"	1,517	2,341,328
Chassis (sold without bodies):			
For export	"	5,904	1,788,995
Buses or coaches:			
Complete units:			
For sale in Canada	"	374	8,435,458
Chassis only	"	70	147,194
Automobile, bus and truck bodies and cabs	—	—	19,734,753
Automobile bumpers and bumperettes	—	—	11,798,959
Automobile cloth	lb.	739,566	1,492,747
Automobile parts and accessories, not specified	—	—	180,851,556
Awnings, aluminum	—	—	1,687,154
Awnings and verandah curtains, fabric	—	—	2,017,886
Awnings, n.e.s.	—	—	100,656
Axes and hatchets	No.	406,348	881,048
Axles and shafts, automobile	"	86,634	4,821,284
Babies' high chair sets, commodes and other baby supplies	—	—	777,122
Babbitt metal	lb.	2,175,563	1,046,854
Badges (included under "Regalia")	—	—	—
Bags:			
Cosmetic, (plastic, etc.)	—	—	92,412
Cotton	No.	37,039,575	7,676,097
Jute	"	84,054,605	14,117,703
Garment, fabric	—	—	604,601
Garment, laundry, etc. (plastic)	—	—	134,738
Hand, leather	No.	636,853	3,463,612
Hand, plastic	"	2,373,914	3,007,781
Hand, other	—	—	687,445
Hand, parts	—	—	1,878
Shopping, sports, etc., leather	No.	45,754	336,556
Shopping, sports, etc., fabric	—	—	601,533
Sleeping (see also "Infants' wear")	—	—	1,900,058
Club bags, suit cases and other hand luggage	—	—	7,748,993
School bags	No.	454,206	758,846
Fabric bags, not specified	—	—	354,338
Fabric bags, repaired	—	—	1,934,078
Bags, paper:			
Glassine, waxed paper, grease proof paper, etc.	lb.	7,231,866	2,932,005
Millinery, garment and laundry	—	—	2,063,220

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Item	Unit of measure	Quantity	Value of factory shipments
			\$
Bags, paper—Concluded:			
Self-opening	lb.	71,932,614	10,943,777
Wedge, including notion and novelty bags	"	11,306,497	2,770,034
Paper, not specified, including multiwall	"	—	33,931,984
Bags, plastic (see also "Bags, cosmetic; bags, garment and bags, hand")	"	—	15,195,580
Bags, not specified	"	—	981,025
Bags, rubber, air and steam (tire curling)	"	—	1
Bakers' equipment, not specified	"	—	—
Bale ties—Quantity made	ton	3,468	—
Quantity shipped	"	3,466	920,476
Balls, grinding	"	—	5,588,792
Ball and rod mills, grinding	"	—	2,561,826
Balloons	gr.	192,710	504,520
Balls, baseball	doz.	23,584	282,895
Balls, golf, complete	"	—	1
Balls, softball	doz.	26,183	334,825
Balls, other, including bladders for foot-balls	"	—	862,694
Barley, pot and pearl	"	—	246,394
Barn and stable equipment, not elsewhere specified	"	—	1,592,653
Barrels, wooden:			
Apple, etc.	No.	68,426	119,945
Fish, slack	"	14,294	27,099
Fish, light	"	75,213	238,136
Flour, sugar, etc.	"	19,227	36,293
Oil, vinegar, water, etc.	"	108,683	804,888
Whiskey, beer, etc.	"	43,278	1,069,138
Barrels, steel	"	1,224,484	6,024,948
Barrels, repaired	"	—	590,964
Barrels, n.e.s.	"	—	85,927
Bars and ingots, aluminum (see "Aluminum bars, rods and ingots")	"	—	—
Bars and rods, brass and bronze	"	—	1
Bars, iron and steel:			
Hot rolled, of all grades:			
Quantity made	ton	565,115	—
Quantity shipped	"	424,756	69,986,474
Cold rolled and drawn:			
Quantity made	"	39,266	—
Quantity shipped	"	40,038	13,644,710
Concrete reinforcing	"	305,149	39,750,282
Basket bottoms	No.	5,164,590	144,383
Baskets and crates, fruit and vegetable	"	—	3,658,715
Baskets, other, not specified	"	—	344,156
Basket parts	"	—	39,824
Bathing caps	doz.	39,725	175,856
Bathing shoes	"	—	1
Bathing suits	doz.	195,069	5,811,962
Bath mats and sets	"	—	1,691,032
Bathrobes, kimonos, lounging jackets, etc.			
Cotton:			
Women's and misses'	doz.	50,905	1,823,444
Children's	"	17,249	369,063
Men's	"	—	1
Rayon and silk:			
Women's and misses'	"	28,128	1,856,308
Men's and youths'	"	13,253	1,022,667
Children's	"	2,631	83,976
Wool and flannel:			
Women's and misses'	"	7,568	742,873
Men's and youths'	"	18,285	871,256
Children's	"	1,037	23,468
Not specified:			
Women's and misses'	"	1,379	146,489
Men's and youths'	"	4,399	178,799
Children's	"	271	5,459
Other	"	10,952	902,187
Bats, baseball	No.	252,118	202,346
Batteries:			
Storage, for automobiles and other internal combustion engines	"	2,273,713	23,898,359
Storage, for railway service (cells)	"	34,471	1,422,602
Storage, for farm lighting plants (cells)	"	21,145	229,161
Storage, for direct motive power (industrial trucks, mine locomotives, etc.)	"	2,507	2,094,509
Storage, for all other purposes	"	—	2,237,647
Dry cell, 6 in. batteries	No. of cells	1,749,956	1,054,455
Dry cell, radio, for portable sets	"	18,720,528	867,839
Dry cell, radio, non-portable sets	"	19,431,552	1,686,039
Dry cell, flashlight	"	33,865,528	3,613,943
Dry cell, hearing aid "A"	"	—	—
Dry cell, hearing aid "B"	"	—	791,926
Dry cell, all other	"	—	—
Parts and supplies for batteries	"	—	1,596,655
Battery containers, covers, etc.	"	—	2,758,156
Batts, wadding, and rolls including auto batts (see also "Flocks")	"	—	5,938,535
Bearings, ball, roller, pillow blocks, engines and other bearings, not specified	"	—	9,377,062
Becky parlour equipment (see also "Hair dressing accessories")	"	—	805,477
Beds and couches:			
Beds, metal	No.	111,405	2,004,392
Studio couches, metal and other	"	47,434	3,738,196
Couches, other than studio, metal	"	18,700	274,594
Cots and bunks, metal	"	130,280	1,078,903
Cribs, metal	"	5,140	106,100
Beds, camp	"	5,005	36,305

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Bedspreads and bed sets:			
Cotton	No.	424,413	2,627,487
Silk, rayon and rayon mixtures	"	48,046	493,261
Not specified	"	6,951	36,062
Beef extract	"	—	208,902
Beekeepers' supplies, n.e.s.	"	—	—
Beer, ale, stout and porter (sales):			
Bottled and canned	gal.	176,632,853	308,321,483
Draught	"	48,150,122	56,671,574
Beer, spruce	"	508,077	429,380
Beet pulp, wet and dried	ton	131,599	2,170,840
Belting, leather (transmission)	lb.	161,298	735,278
Belting, rubber	"	—	10,868,865
Belts, automobile, fan	No.	1,450,360	986,332
Belts, body, not specified	"	—	4,576,990
Belts, garter	doz.	109,166	962,956
Belts and belting, rubber, other	lb.	575,522	745,015
Belts and aprons, sanitary	"	—	121,851
Benzol	"	—	4,332,005
Beverages, carbonated (bottled and canned)	gal.	136,820,244	123,101,902
(in bulk)	"	236,432	176,223
Bicycles	No.	95,840	2,867,620
Bicycle parts	"	—	511,085
Billiard and bowling supplies n.e.s.	"	—	2,653,166
Binders, loose-leaf and other	"	—	4,256,922
Binders, grain, including power take-off	No.	65	12,644
Binding and stitching (trade work)	"	—	3,560,754
Bindings (see also "Tapes"):			
Cotton	"	—	1,476,691
Rayon and rayon mixtures	"	—	299,280
Other	"	—	929,370
Bins and hoppers	"	—	2,719,489
Biologicals and vaccines	"	—	6,910,297
Biscuits, plain and fancy	lb.	197,677,757	61,095,039
Biscuits, soda	"	44,958,114	11,415,241
Black, acetylene	"	—	—
Black (carbon black)	"	—	1
Blackboard, asbestos and other	"	—	390,904
Blankets:			
Cotton and cotton mixtures	pr.	1,588,170	—
All wool	lb.	4,868,557	5,106,282
Other, including crib	pr.	290,157	—
Slumber throws	lb.	1,792,979	3,149,195
Blankets, electric	No.	119,629	6,036,669
Blankets and covers, horse	"	—	602,760
Blankets, rubber, printers'	No.	8,301	42,095
Blanks for window blind rollers (sawn)	"	—	249,750
Bleaching compound	"	—	616,487
Blinds, venetian (see "Shades and blinds")	"	—	293,538
Blood, animal, dried, edible	lb.	686,137	32,878
Blood, animal, dried, inedible	"	5,660,792	230,468
Blooms, billets, slabs and sheet bars including blanks:			
Quantity shipped	ton	287,469	28,261,857
Blouses, women's, misses' and children's:			
Cotton, women's and misses'	doz.	407,983	8,437,999
Cotton, children's	"	183,706	2,068,351
Nylon, children's	"	13,815	218,751
Nylon, women's and misses'	"	57,045	1,760,340
Rayon and rayon mixtures, women's and misses'	"	142,718	3,411,613
Rayon and rayon mixtures, children's	"	3,657	69,814
Woolen, women's and misses'	"	33,440	1,363,240
Woolen, children's	"	12,241	296,945
Other, women's and misses'	"	93,120	3,001,040
Other, children's	"	11,323	198,516
Blow torches	"	—	1
Blowers for domestic furnaces	No.	152,723	2,028,695
Blue, laundry	"	—	1
Boats, life and whale	No.	109	184,488
Boats, motor	"	453	1,759,948
Boats, outboard motor	"	15,026	5,274,201
Boats, sail (see also "Canoes")	"	106	126,152
Boats, other, including row boats, skiffs, etc. (see also "Canoes")	"	—	2,876,124
Boiler compound	"	—	—
Boilers, heating, all types	No.	18,888	9,501,814
Boilers, power	"	—	13,798,967
Boilers, range and wash	"	—	2,686,105
Boilers, not specified	"	—	321,778
Boilers and engine parts and accessories	"	—	2,811,486
Bologna and blood pudding	lb.	11,507,239	2,631,962
Bolts, nuts and rivets	"	—	24,034,450
Bone and meat, meal and flour	ton	12,827	1,007,304
Bone, raw, ground, etc.	"	14,378	473,518
Book cloth, pyroxylin coated (included in "Fabrics, coated and impregnated")	"	—	—
Books, printed and bound, chiefly for advertising	copy	17,298,290	5,654,609
Books, printed and bound, not chiefly for advertising	"	40,205,296	17,744,693
Books and pads, drawing, exercise, scribblers, etc., n.e.s.	"	—	4,625,752
Books, ledger and account	No.	1,936,670	1,518,894
Books, counter, check, sales, etc.	"	22,287,219	2,443,618
Books, blank, bound, not specified	"	3,745,955	1,365,005

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Boron carbide	—	—	1
Bottles, paper, milk	—	—	1
Bottles, plastic	—	—	1
Bottles, thermos	—	—	1
Bowling supplies (included in "Billiard and bowling supplies")	—	—	1
Box toes	pr.	14, 564, 518	518, 221
Boxes, paper:			
Corrugated, including wrappers, etc., (see also "Wrappers")	M sq. ft.	6, 023, 223	104, 222, 117
Fibre board	—	72, 540	1, 625, 708
Folding	—	—	68, 526, 275
Set-up	—	—	14, 496, 190
Not specified	—	—	50, 635
Boxes, plastic	—	—	843, 803
Boxes, wooden:			
Apple and other fruit	No.	910, 748	416, 353
Berry	—	16, 654, 080	272, 750
Butter	—	1, 251, 738	868, 561
Cheese	—	536, 338	337, 596
Cigar	—	—	1
Fish	No.	1, 343, 173	1, 092, 172
Meat	—	494, 198	430, 029
Veneer and plywood	—	—	3, 423, 871
Not specified	—	—	5, 747, 938
Boxes, other, not specified	—	—	525, 365
Box panels, plywood	—	—	739, 968
Brads and gimps	set	84, 320	1, 697, 179
Brake fluid	gal.	342, 621	1, 055, 981
Brake beams (railway car) and parts	—	—	1, 298, 162
Brakes, auto, and parts	—	—	5, 060, 042
Brakes, brake shoes and parts	—	—	4, 239, 629
Bran	ton	273, 325	10, 985, 284
Brass and bronze ingots	—	17, 206	10, 412, 197
Brass and bronze products, not specified	—	—	2, 032, 993
Bread	ton	826, 588	198, 515, 372
Breakfast foods (see "Cereal products")	—	—	331, 518
Brewery and distillery equipment, n.e.s.	—	—	4, 692, 108
Bricks, cement	M	116, 077	22, 605, 662
Bricks, domestic clay	—	473, 916	784, 087
Bricks, sand-lime	—	26, 828	931, 272
Briquettes, coal and coke	—	—	—
Bronze ingots (see "Brass and bronze ingots")	—	—	—
Brooms:			
Corn	doz.	301, 167	3, 016, 670
Fibre	—	31, 573	529, 826
Hair	—	4, 878	156, 805
Plastic	—	2, 237	34, 157
Toy	—	17, 348	64, 735
Other	—	13, 452	227, 271
Brushes:			
Clothes	—	25, 382	185, 454
Cosmetic	—	11, 990	68, 682
Generator and motor	—	—	1
Hair	doz.	110, 937	900, 333
Nail	—	64, 959	136, 798
Paint	—	507, 986	4, 167, 169
Shaving	—	15, 122	155, 250
Shoe	—	42, 158	186, 033
Tooth	—	530, 586	781, 224
For household purposes	—	524, 234	1, 402, 648
For industrial use	—	272, 123	1, 660, 566
Other, including artists'	—	—	899, 938
Brush blocks, backs, etc.	—	—	193, 350
Buckles, clips, etc.	—	—	611, 530
Buffing composition	—	—	533, 412
Bufs, polishing, cotton, etc.	—	—	1, 070, 170
Building blocks, hollow cement, cinder, sand-lime, etc.	No.	153, 741, 367	34, 270, 455
Building boards:			
Asbestos cement boards and sheets	—	—	1
Gypsum wall board	sq. ft.	304, 591, 116	12, 003, 760
Paper board	—	—	526, 054
Wood fibre:			
Rigid insulating	ton	130, 883	14, 506, 911
Other soft boards	—	8, 888	1, 022, 055
Hardboard	—	79, 952	8, 464, 394
Particle board	M sq. ft.	12, 509	1, 520, 748
Other, including bonded boards, panelling, etc.	—	—	2, 170, 415
Buildings (houses, etc.) prefabricated	—	—	20, 455, 891
Bungs, barrel	—	—	61, 603
Buns	—	—	33, 556, 738
Burlap products	—	—	71, 798
Burners, gas, conversion, etc.	—	—	810, 238
Butane (included in "Gases, liquified petroleum")	—	—	—
Butter, whey, factory made	lb.	2, 259, 443	1, 212, 132
Butter, other, factory made	—	298, 968, 703	179, 230, 893
Buttons:			
Celluloid	gr.	46, 308	196, 158
Covered	—	34, 000	165, 051
Plastic	—	1, 229, 153	1, 618, 994
Metal	—	331, 404	453, 711
Moulded	—	3, 778, 082	1, 357, 291
Pearl	—	51, 377	81, 200
Not specified	—	—	270, 888

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
Button covering, hemstitching, etc.	—	—	\$
Butyl acetate	—	—	1,229,430
Butyraldehyde	—	—	1
Cabinets, ice cream	No.	2,322	867,343
Cabinets, phonograph, radio and television	—	559,095	11,672,239
Cabinets, silverware	—	—	1
Cabinets, other, including shower	—	—	579,042
Calcium acid phosphate	—	—	1
Calcium carbide	—	—	1
Calcium chloride	—	—	1
Calcium cyanamide, n.e.s. (Fertilizer grade included in "Fertilizers, other than mixed")	—	—	1
Calcium naphthenate	—	—	1
Calendar pads and cards	—	—	497,193
Calks, horseshoe	—	—	20,478
Camel back	lb.	15,515,760	5,749,831
Cameras	—	—	1
Candles and cerges:	—	—	—
Household	—	—	575,421
Church, chapel and synagogue	—	—	2,263,592
Wax lights in tumblers	doz.	7,009	29,036
Candy sticks	—	—	1
Canoes (see also "Boats")	—	—	484,489
Cans, metal, cream and milk	—	—	667,809
Cans, metal, for food	—	—	67,372,528
Cans, metal, non food	—	—	30,471,779
Cans, garbage and ash	—	—	1,325,234
Cans, paper or fibre, with paper or metal ends	No.	77,359,595	2,379,923
Cans, all paper or fibre	—	—	1
Canvas and canvas goods, n.e.s.	—	—	100,710
Capacitors, (Static condensers for power factor correction)	—	—	5,391,641
Caps:	—	—	—
Cloth	doz.	302,692	3,273,792
Cotton	—	103,224	313,088
Fur (see also "Hats and caps, fur")	—	3,673	78,112
Leather	—	4,719	60,970
Sport	—	132,786	1,081,088
Uniform	—	20,236	496,936
Not specified	—	10,722	110,109
Caps, bottle:	—	—	—
Metal, all kinds	—	—	13,990,429
Paper, milk bottle	M	1,390,052	1,433,719
Paper, other, not specified	—	—	136,200
Plastic	—	—	1,157,495
Not specified	—	—	182,517
Carbon dioxide (cylinders and solid)	—	—	1
Carbon bisulphide	—	—	1
Carbon tetrachloride	—	—	1
Carbon products, not specified	—	—	—
Carbons, illuminating	—	—	1
Carboxel (see "Sodium carboxymethyl cellulose")	—	—	—
Cards, greeting	M	512,826	14,445,916
Cards, playing	—	—	1
Cards, visiting	—	—	151,338
Cards, sample swatch display, etc.	—	—	1,745,561
Cards, tabulating and time clock	—	—	4,265,145
Carpets, mats and rugs:	—	—	—
Carpets in rolls, including stair:	—	—	—
Axminster	sq. yd.	557,612	2,483,259
Wilton	—	802,143	6,124,397
Tapestry and velvet	—	573,247	3,963,777
Tufted	—	1,018,144	3,314,679
Other, not specified	—	245,543	544,921
Squares made on Axminster or other looms:	—	—	—
Axminster	—	305,340	1,803,745
Other	—	20,345	106,170
Cocoa mats and matting	—	—	1,705,078
Rugs, wool, cotton, hooked, etc.	—	—	1
Carpet sweepers	—	—	1
Carriages, sulkes, etc., baby	No.	192,576	3,132,089
Carriages, full	—	229,063	1,010,638
Carriages and wagons (see "Vehicles")	—	—	—
Carriage and wagon boxes	—	929	174,676
Carriers, litter	—	—	1
Cars, railway, complete (freight and passenger)*	No.	10,475	98,665,682
Cars, dump, hand, push and other n.s.	—	1,797	1,501,866
Carts, concrete	—	—	1
Carvings, wood	—	—	1
Casein, dried	lb.	5,765,366	1,577,548
Casein, green	—	3,433,877	595,160
Cases, clock	—	—	135,776
Cases, jewellery	No.	4,155,614	1,293,089
Cases, key, card, cigarette, utility, etc.	—	—	1,070,725
Cases, portfolios, brief, etc.	No.	536,665	2,353,222
Cases, toilettware	—	—	1
Cases, other, not specified	—	—	890,439
Caskets and coffins (completely assembled):	—	—	—
Wooden, hardwood	No.	42,498	3,998,729
imitation hardwood	—	5,141	293,128
cloth covered	—	67,389	3,395,935
not specified	—	571	12,410
Metal	—	1,995	354,745
Shells and rough boxes	—	—	966,965

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Casks, fish	No.	47,614	151,436
Casks, other	"	3,214	23,462
Castings:			
Aluminum	lb.	10,591,665	7,397,055
Brass and bronze	"	26,563,997	14,974,403
Copper	"	1,043,498	607,570
Die	"	—	9,387,086
Grey iron	"	—	36,892,439
Magnesium	lb.	603,277	1,893,467
Malleable iron	ton	21,623	8,421,940
Iron, not specified	"	—	515,423
Lead	"	—	1
Steel:			
Quantity made	ton	136,739	—
Quantity sold	"	132,367	59,393,688
Not specified	"	—	12,145,767
Castors, all kinds	"	—	1,568,963
Catalogues, printed, etc.	"	—	17,812,529
Catsup (see "Tomato Catsup") ..	"	—	—
Caulking materials	"	—	954,181
Ceiling and siding, metal	"	—	1,073,332
Cellulose products, n.e.s.	"	—	1
Cement, asbestos	lb.	2,033,800	122,967
Cement, hydraulic (including containers) ..	"	—	97,784,158
Cement, linoleum and tile	"	—	464,235
Cement, rubber	"	—	720,007
Cement, not specified	"	—	2,771,536
Cereal products:			
Prepared (ready to serve)	lb.	86,014,742	26,647,990
Unprepared	"	21,961,020	2,071,497
Certificates, stock, bond, etc. (printed) ..	"	—	3,539,083
Chains, automobile	"	—	1
Chains, other than automobile, including sprocket chain ..	"	—	6,041,050
Chamois products	"	—	381,864
Channel rubber	lb.	1,853,019	1,119,206
Chaplets, foundry	"	—	1
Charcoal	ton	14,606	903,685
Cheese, Canadian cheddar	lb.	98,883,920	33,618,850
Cheese, other, whole milk	"	9,190,155	4,147,306
Cheese, skim milk and cottage	"	22,676,731	4,768,184
Cheese, process	"	45,771,455	19,965,345
Cheesecloth	yd.	2,182,152	666,409
Chemical products, n.e.s.	"	—	18,871,167
Cheques, notes, drafts, bank notes, etc. (printed) ..	"	—	5,534,123
Chests, cedar and other	"	—	1,563,158
Chewing gum	box	16,026,365	11,457,836
Chicken, canned (see "Meat, canned") ..	"	—	—
Children's sleepers (see also "Infants' wear") ..	doz.	47,736	581,581
Children's waists n.e.s.	"	—	1
Chloride of lime	lb.	658,036	83,108
Chlorine, liquid	"	214,601,316	7,143,223
Chloroform	"	—	1
Chocolate drink included in "Food drinks, liquid" ..	"	—	—
Chocolate coating:			
Liquor	"	—	1
Sweetened:			
For own use	lb.	15,084,666	—
For sale	"	12,325,529	4,571,161
Choppers and grinders, food	"	—	1
Churns	No.	26	96,057
Cider (for sale)	"	—	1
Cigars	M	283,706	20,442,301
Cigarettes	"	30,394,572	407,237,324
Classifiers, metal-working	"	—	536,355
Clay, bentonite and other	"	—	511,491
Cleaners, vacuum and parts	"	—	9,122,546
Cleaner, hand	lb.	963,894	197,236
Cleaner, automobile, fabric, floor, etc.	"	—	1,608,205
Cleaning and scouring powders and pastes ..	lb.	44,518,406	6,935,446
Cleaning preparations, n.e.s.	"	—	3,164,163
Clips and staples, wire	"	—	1,104,486
Clocks	"	—	3,887,087
Cloth, gummed	"	—	1
Clothes hampers	"	—	199,924
Clothes driers, electric, etc.	"	—	9,951,374
Clothes line	"	—	426,467
Clothes pins, wood	"	—	750,443
Clothing, hospital	"	—	1,422,628
Clothing military, n.e.s. (see also "Jackets", "Pants" and "Suits") ..	"	—	349,895
Clothing, oiled and waterproofed n.e.s. (see also "Raincoats") ..	"	—	1,523,887
Clothing, plastic, n.e.s. (see also "Aprons", "Raincoats" and "Coats and capes") ..	"	—	81,216
Clothing, rubber n.e.s.	"	—	1
Clothing, safety	"	—	642,086
Clothing, n.e.s.	"	—	2,208,642
Clothing, sport:			
Shorts:			
Women's and misses':			
Cotton	doz.	39,388	1,030,052
Other, including wool and wool mixtures	"	15,748	379,347

¹ Indicates that the commodity was reported by one or two concerns.² Includes excise duties and sales tax.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Clothing, sport - Concluded:			
Shorts - Concluded:			
Men's and youths':			
Cotton	doz.	39,965	692,220
Not specified	"	6,374	133,093
Boys':			
Cotton	"	19,059	229,092
Not specified	"	5,664	84,960
Children's:			
Cotton	"	75,883	666,920
Wool and wool mixtures	"	3,723	78,466
Not specified	"	3,122	42,592
Slacks and jeans:			
Women's and misses':			
Cotton (including jeans)	No.	1,780,438	4,001,143
Rayon	"	231,538	795,537
Wool and wool mixtures	"	385,641	1,894,239
Not specified	"	43,325	135,198
Men's and youths': (see "Pants and slacks")			
Children's:			
Cotton (including jeans)	"	2,179,921	2,901,014
Rayon	"	211,284	375,042
Wool and wool mixtures	"	358,621	728,042
Not specified	"	168,188	179,485
Not specified	—	—	73,151
Suits, sport:			
Ski and snow suits:			
Women's and misses'	No.	8,111	85,300
Children's	"	1,212,943	4,806,431
Other sport suits:			
Women's and misses'	"	91,193	193,342
Children's:			
Cotton	"	40,187	142,148
Other	"	50,716	130,671
Clothing, sport, (baseball, gym and athletic) (see also "Pants, hockey, soccer, etc.")	—	—	570,197
Clothing, sport, other n.e.s.	—	—	780,878
Coats and jackets:			
Men's and boys' overcoats and top coats:			
Regular models:			
Boys'	No.	34,488	373,637
Men's and youths'	"	661,168	18,081,197
Station wagon (except short length):			
Boys'	—	—	¹
Men's and youths'	No.	23,168	554,053
Women's and misses' coats:			
Regular models:			
Rayon	"	90,333	1,076,160
Woolen	"	1,371,524	34,497,466
Other	"	81,637	2,894,672
Station wagon	"	65,652	698,458
Children's coats:			
Regular models:			
Woolen	"	906,905	8,790,866
Rayon	"	68,080	401,580
Not specified	"	12,222	97,396
Station wagon	"	34,940	511,316
Other coats, not specified	—	—	124,481
Boys' separate jackets (civilian)	No.	190,867	1,516,089
Men's and youths' separate jackets:			
Civilian	"	685,198	11,419,463
Military	"	109,635	1,113,798
Women's and misses' separate jackets:			
Wool and mixtures	"	45,756	544,715
Rayon mixtures	"	6,507	43,836
Cotton	"	96,653	826,230
Other	"	7,104	230,460
Children's separate jackets:			
Wool and mixtures	"	256,002	754,788
Cotton	"	129,726	315,526
Rayon and mixtures	"	7,434	34,327
Other	"	12,800	22,400
Coats, blazers and jackets, not specified	doz.	2,778	104,529
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.): ..			
Wool and wool mixtures:			
Men's and youths'	"	90,261	9,511,409
Boys'	"	36,577	2,958,689
Children's (under 14)	"	20,321	1,037,956
Women's and misses'	"	3,919	512,282
Not specified	"	693	93,400
Cotton:			
Men's and youths'	"	65,107	5,005,036
Boys'	"	16,054	846,973
Children's (under 14)	"	43,096	1,506,084
Women's and misses'	"	35,115	2,418,720
Not specified	"	267	15,258
Leather:			
Men's and youths'	"	38,479	4,448,539
Boys'	"	7,961	321,888
Not specified	"	2,754	366,422

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Coats and jackets—Concluded:			
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.)—Concluded:			
Rayon:			
Children's	doz.	9,975	464,661
Women's and misses'	"	9,179	237,709
Not specified	"	849	42,861
Other:			
Men's and youths'	"	48,992	4,130,206
Boys'	"	26,366	1,539,837
Children's (under 14)	"	5,462	345,912
Women's and misses'	"	7,214	495,294
Not specified	"	236	22,654
Raincoats:			
Plastic:			
Children's	No.	103,744	116,091
Men's and youths'	"	99,880	346,286
Women's and misses'	"	78,272	149,286
Rubber and rubberized:			
Children's	—	—	¹
Not specified	—	—	9,292
Showerproofed and waterproofed:			
Children's	No.	23,794	215,637
Men's and youths'	"	74,422	939,884
Women's and misses'	"	224,155	2,986,543
Coats and capes:			
Oiled	—	—	6,244
Plastic	doz.	51,839	932,030
Rubber, rubberized and showerproofed	"	63,016	4,083,315
Brunch coats and house coats	—	—	319,725
Coats, fur:			
Children's	No.	89	16,495
Ladies' (Coats, jackets, etc.)	"	216,276	50,548,489
Men's	"	99	15,805
Coats, fur-lined (ladies')	"	1,496	255,187
" " " not specified	—	—	4,260
Coat plates	—	—	712,955
Coating, industrial (plastic) (see also "Enamels, pipe-line")	—	—	929,081
Cobalt naphthenate	—	—	¹
Cocoa (made for sale)	lb.	6,706,306	3,790,899
Cocoa butter:			
For own use	"	2,853,215	—
For sale	"	960,503	502,629
Cocoa and chocolate preparations n.e.s. (For sale)	"	14,924,824	7,394,021
Cocoa nut, prepared and desiccated	—	—	¹
Coffee-makers, electric	No.	130,748	1,575,389
Coffee-makers, glass	—	—	¹
Coffee, instant	lb.	6,182,099	21,495,741
Coffee, roasted	"	78,730,316	68,464,816
Coffee, substitute	—	—	¹
Coffins (see "Caskets and coffins")			
Coffins (shells or rough boxes) (see "Caskets and coffins")			
Coke, gas-house*	ton	4,094,975	63,442,456
Coke, petroleum*	"	297,483	5,001,937
Coke, pitch	—	—	¹
Cold storage equipment (see also "Refrigeration equipment")	—	—	12,293
Collars and cuffs	—	—	81,938
Collars, fur	No.	74,564	399,651
Colours, food, including caramel	—	—	633,985
Colours, dry	—	—	6,156,701
Colours, in oil and japan	gal.	61,143	308,132
Combs	—	—	1,109,861
Comforters:			
Cotton	No.	88,064	446,248
Down	"	7,378	101,292
Wool	"	39,841	236,200
Not specified	—	—	173,563
Communication systems (see "Radio communication equipment")			
Compacts (only), powder and rouge	—	—	¹
Compressors, air	—	—	8,709,588
Compressors and condensing units (refrigeration)	No.	38,136	2,196,256
Concentrates used for soft drinks (see also "Extracts, etc.")	—	—	7,061,247
Concrete, ready-mixed	cu. yd.	6,873,951	82,755,860
Concrete products, n.e.s.	—	—	13,397,403
Condensers, evaporation (refrigeration)	—	82	¹
Conduit, fibre	No.	—	916,855
Conduit, flexible, metallic	—	—	¹
Conduit, rigid:			
Aluminum	—	—	¹
Electrical, metallic tubing	lb.	7,930,098	1,765,847
Steel and non-ferrous	"	49,030,013	8,297,099
Conduit fittings	—	—	3,307,007
Cones, ice cream	M	352,680	1,775,577
Cones and tubes, textile winding	—	—	1,080,699
Confectionery, chocolate:			
In bulk	lb.	14,009,038	5,750,894
In bars	"	66,096,313	36,906,184
In packages	"	23,264,910	15,407,611
Moulded chocolate novelties	"	2,934,197	2,255,323
Not specified	"	152,713	92,241

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Confectionery, marshmallow:			\$
In bulk	lb.	1,449,981	332,893
In packages	"	5,738,353	1,508,926
Not specified	"	31,670	10,893
Confectionery, sugar:			
In bulk	"	48,446,777	11,625,857
In bars	"	3,949,105	1,461,854
In packages	"	29,347,221	10,298,679
Penny goods	gr.	4,696,079	4,099,671
Lozenges	lb.	1,727,004	390,666
Toffee:			
In bulk	"	1,026,640	376,763
In packages	"	4,392,533	1,688,210
Confectionery, not specified	"	1,497,834	796,827
Confectionery mixes (see "Icings and candy mixes")			
Connectors for electrical equipment	—	—	2,544,882
Containers, n.e.s.	—	—	1,451,231
Control and starting equipment, industrial n.e.s.	—	—	31,381,462
Converter equipment, electrical	—	—	6,801,543
Cooking equipment n.e.s.	—	—	310,788
Coolers, milk and other	—	—	1,632,683
Cooperage, slack, not specified	—	—	729,720
Copper alloys	—	—	1
Copper and copper products, n.e.s.	—	—	1
Cores for paper rolls	M lin. ft.	12,423	1,420,513
Cores for small paper rolls and mailing tubes	—	—	1,300,610
Cores, lumber	—	—	1,135,917
Cork products, n.e.s.	—	—	949,884
Corn for popping	—	—	1
Corselettes, girdles, etc.:			
Corselettes	doz.	78,122	3,060,498
Girdles with rigid panels plus elastic	"	87,195	4,749,012
Girdles principally elastic	"	119,380	4,576,013
Bandeaux brassieres	"	728,523	10,859,963
Longline brassieres	"	111,599	3,256,932
Brassieres, not specified	"	25,664	150,839
Shoulder straps, girdle blanks, etc.	—	—	225,196
Cosmetic containers and other cosmetic accessories, n.e.s. (see also "Compacts")	—	—	794,563
Cotton fabrics:			
Unbleached or grey	lb.	71,867,840	—
Bleached or white	yd.	200,079,297	49,910,435
Printed and painted }	lb.	11,903,071	—
Yarn and stock dyed }	yd.	38,270,542	12,459,318
Piece dyed }	lb.	29,727,618	—
Printed and painted }	yd.	90,507,537	32,043,981
Yarn and stock dyed }	lb.	22,119,899	—
Piece dyed }	yd.	70,727,389	23,953,290
Not specified	—	—	2,086,156
Counters, shoe	pr.	23,290,687	875,199
Couplings, flexible, etc.	—	—	909,301
Coverings, boiler and pipe, asbestos and other	—	—	3,383,844
Covers, baby carriage and crib	—	—	102,613
Covers, boat and car	—	—	485,037
Covers, canvas	—	—	3,490,379
Covers, couch, table and other furniture	—	—	1,275,635
Covers, mattress	—	—	618,489
Covers, stockinette, meat (see "Knitted fabrics")	—	—	—
Covers, seat, automobile	—	—	3,878,454
Covers, not specified	—	—	1,285,872
Crates, shipping, auto and other	—	—	3,406,812
Crayons, wax and chalk	—	—	621,041
Cream, whey, sold by dairy factories	lb. b.f.	1,172,181	661,616
Cream, other, sold by dairy factories	—	—	45,538,621
Cream transferred to branches of firms reporting	lb. b.f.	9,785,699	7,000,336
Cream of tartar, refined	lb.	203,867	166,041
Cream separators	—	—	50,090
Croquet sets	—	—	1
Cross arms	—	—	995,304
Crushers, rock, and parts	—	—	2,253,462
Cuffs, fur	pr.	1,274	53,377
Cultivators	No.	11,919	3,641,684
Cups, paper, baking, bonbon, etc.	M	1,647,798	2,012,866
Cups, paper, drinking	"	1,111,050	6,982,747
Curtains, shower	—	—	453,357
Curtains, fabric	—	—	2,963,569
Curtains and drapes, plastic	doz.	59,185	796,652
Curtain rods and fixtures	—	—	2,099,874
Cushions	—	—	1,025,601
Cushion forms	—	—	131,507
Cushion tops	No.	892,740	108,725
Cushions, mats and pads, air and sponge	"	422	12,048
Cutting blocks and tables, butcher	—	—	201,919
Cutlery all kinds (see also "Flatware")	—	—	2,704,997
Cyclohexonal phthalate	—	—	1
Cylinders, gas	—	—	1,459,500
Dairy products, not specified	—	—	1,622,736
Dairy equipment and machinery (See "Machinery")	—	—	—
Decorations, including party favours, confetti, etc.	—	—	1,654,124
Dentifrices	—	—	9,000,059
Dentists' supplies, n.e.s.	—	—	175,952

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Deodorant (personal)	—	—	\$ 3,432,723
Deodorant (not personal)	—	—	695,998
Desk sets	—	—	253,299
Detergents	lb.	176,992,349	49,339,554
Dextrine	—	—	1,476,746
Dextrose	—	—	1
Diaries, printed etc.	No.	717,012	373,049
Dibutyl phthalate	—	—	1
Dicyandiamide	—	—	1
Dies, stamping, drawing and cutting	—	—	1,003,977
Dies, metal working, n.e.s.	—	—	10,350,189
Dies, taps and stocks	—	—	1,045,846
Dies, rubber, etc.	—	—	537,639
Dinnerware (see "Tableware")	—	—	1
Diocetyl phthalate	—	—	—
Discs, agricultural (see "Ploughs")	—	—	1
Discs for cartridge cases	—	—	422,816
Dish cloths	—	—	1,962,350
Dishwashers, electrical, commercial and other	No.	2,845	1,274,694
Disinfectants	—	—	8,501,901
Displays, advertising	—	—	1,570,036
Display forms, mounting, etc.	—	—	—
Distillers' grain (see "Grain, brewers' and distillers'")	—	—	—
Dog collars and harness	—	—	103,571
Doilies, dinner cloths and tray covers, paper	—	—	692,618
Dolls, all kinds	—	—	4,669,863
Dolls' furnishings and parts	—	—	414,181
Doors, folding	—	—	2,411,080
Doors, metal and metal clad	—	—	9,278,409
Doors, veneer and plywood	No.	1,904,153	14,615,135
Doors, not specified	—	—	5,425,393
Doughnuts	—	—	10,976,029
Dowels	M lin. ft.	49,080	545,562
Down, processed (included with "Feathers")	—	—	—
Drapes and drapery material	—	—	3,350,042
Dresserware, plastic	—	—	1
Dresses, children's:	—	—	—
Cotton	No.	2,667,282	5,769,401
Nylon	"	481,122	1,873,414
Rayon and rayon mixtures	"	1,004,212	2,426,336
Wool and wool mixtures	"	265,372	811,348
Not specified	"	20,633	82,739
Dresses, women's and misses':	—	—	—
Cotton (see also "Coats, brunch coats, house coats, etc.")	"	5,742,846	24,754,856
Nylon	"	347,099	4,101,408
Rayon and rayon mixtures	"	4,915,661	41,583,909
Wool and wool mixtures	"	830,048	9,536,828
Wool, knitted suits and dresses (including children's)	"	97,680	596,726
Not specified	"	260,915	3,636,942
Dressing gowns, negligees, (see "Bathrobes, etc.")	—	—	—
Dressing, salad	lb.	28,538,197	7,215,655
Dressings and finishes, leather, (not including polish)	—	—	1,548,295
Drilling machines (metal working)	—	—	1
Drills, grain and fertilizer (combination)	No.	9,071	4,725,928
Drills, grain, press and plain	"	994	497,724
Drills, reamers, etc. including screw plates	—	—	17,935,806
Drills, diamond and rock	—	—	2,980,233
Drink mixers	—	—	1
Drives, V-belt	—	—	815,022
Druggists' sundries:	—	—	—
Hot water bottles	doz.	25,431	224,220
Nipples and soothers	"	272,083	152,494
Ice caps and collars	"	3,299	47,551
Not specified	—	—	5,829
Drums, veneer, plywood and other	—	—	525,843
Dyeing, finishing, shrinking, etc.:	—	—	—
Dyeing and finishing of textiles	—	—	8,648,194
Dyeing and finishing of yarns	lb.	3,507,470	838,747
Dyeing and finishing of other products	—	—	812,804
Bleaching, sponging, dyeing, etc. (custom)	—	—	3,786,920
Dyes, blended and packaged	—	—	124,177
Dyes, leather	—	—	23,975
Ear muffs	—	—	72,712
Eavetrough and pipe (see "Roof drainage equipment")	—	—	1
Economizers	—	—	—
Egg cases	No.	493,942	317,460
Egg case fillers	—	—	1,599,452
Eggs, frozen	lb.	4,221,083	1,575,325
Egg substitute, including powdered albumen	—	—	22,951
Elastic products, not elsewhere specified	—	—	1,964,530
Electric heating elements (sold separately)	—	—	4,243,663
Electrical apparatus, parts and supplies n.e.s.	—	—	19,366,986
Electrical instruments (see "Instruments, etc.")	—	—	1
Electrodes, carbon and graphite	—	—	—
Electronic equipment n.e.s.	—	—	85,226
Electrotyping and stereotyping	—	—	10,112,621
Elevators, freight and passenger	—	—	13,075,968
Elevator parts	—	—	1,242,778
Embalming fluid	—	—	295,805
Embossing	—	—	464,769

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Embroidery.....	—	—	4,388,292
Enamels, oil and synthetics (included in "Paints and enamels")	—	—	1
Enamels, pipe-line.....	—	—	1
Engines, auto.....	—	—	1
Engines, auto, parts.....	—	—	1
Engines, diesel.....	No.	162	5,239,132
Engines, gasoline, all types except automobile.....	—	—	13,620,173
Engines (steam turbines, marine).....	—	—	1
Engine parts.....	—	—	9,374,537
Engraving (trade work).....	—	—	645,671
Ensilage cutters.....	No.	35	21,098
Ensilage and forage harvesters.....	—	—	684
Envelopes, made.....	—	—	19,490,075
Envelopes, printed.....	M	4,309,038	9,500,726
Escalators.....	—	—	342,393
Ethanolamines.....	—	—	1
Ethyl acetate.....	—	—	1
Ethyl hexonal.....	—	—	1
Ethylene.....	—	—	1
Ethylene oxide.....	—	—	1
Evaporators (fin coils, ice-makers, etc.).....	—	—	1,660,280
Excelsior, paper.....	—	—	165,291
Excelsior, wood.....	ton	6,953	378,468
Excelsior, wrappers, mats and pads.....	M	11,967	185,392
Explosives.....	—	—	1
Extracts, flavouring (bakers', confectioners', household, etc.).....	—	—	5,060,995
Extracts, flavouring, etc. (used for soft drinks) (see also "Concentrates").....	gal.	69,300	624,267
Fabrics, coated and impregnated, including felt saturated, book cloth and shoe materials.....	—	—	4,092,719
Fabrics, rubberized and waterproofed.....	sq. yd.	683,559	373,975
Fabrics, other, n.e.s.....	—	—	1,905,111
Face cloths.....	—	—	785,158
Facial tissues (see "Tissues, cleansing").....	—	—	—
Facing and parting, foundry.....	—	—	668,706
Fanning mills.....	No.	1,378	411,744
Fans, electric.....	—	180,192	2,038,112
Farm equipment, n.e.s.....	—	—	274,181
Fasteners, zipper.....	—	—	7,826,836
Fasteners, other than zipper.....	—	—	981,770
Feathers and down, millinery and other.....	—	—	699,331
Feed, chopped grain.....	ton	526,399	28,662,989
Feed cutters and mixers (see also "Ensilage cutters").....	No.	127	19,724
Feed, poultry.....	ton	1,335,562	110,847,797
Feed, stock.....	ton	1,212,989	87,832,107
Feed, stock and poultry, n.e.s.....	—	29,026	2,242,148
Feed supplements, n.e.s.....	—	—	1
Felt, coated and saturated (included in "Fabrics coated, etc.").....	—	—	—
Felt, cotton.....	lb.	9,388,800	1,218,120
Felt, harness and athletic.....	—	—	356,070
Felt, industrial and automotive (uncut).....	lb.	4,173,986	918,018
Felt, insoling, uncut.....	—	—	1
Felt, jute.....	—	—	1
Felt, sole.....	—	—	2,241,476
Felt, padding.....	—	—	—
Felt, paper (see "Paper, building and roofing").....	—	—	—
Felt, pennant, crest and fancy lining.....	sq. yd.	701,683	488,984
Felt, shoe and gaiter.....	—	288,782	267,240
Felt, for pulp and paper making.....	—	—	14,440,543
Felt, punch felts, n.e.s.....	—	—	323,217
Felt, n.e.s.....	—	—	1,275,624
Fences, electric.....	—	—	109,582
Fencing, steel wire:	—	—	—
Farm fence.....	ton	11,477	2,439,553
Lawn fence.....	—	1,384	381,089
Chain link fabric.....	—	6,084	1,704,089
Fencing, snow.....	—	—	442,951
Ferro-alloys, (ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.).....	—	—	35,366,441
Fertilizers, complete.....	—	—	38,599,907
Fertilizers, other than mixed including ammonium nitrate (fertilizer grade), ammonium phosphate, calcium cyanamide, ammonium sulphate and superphosphate.....	—	—	52,824,288
Fibre glass products.....	—	—	1
Fibre, staple (rayon).....	—	—	1
Files and rasps.....	—	—	2,592,170
Filing system supplies.....	—	—	4,503,303
Filling, pie, apple.....	lb.	8,150,761	1,125,320
Filling, pie, other than apple.....	—	22,263,002	4,890,134
Filling, pie, powder, (included in "Powders, pudding").....	—	—	1
Films, motion picture.....	—	—	1
Films, photographers', including X-ray films.....	—	—	4,575,944
Filters, mining and metallurgical, etc.....	—	—	5,692,671
Filters and elements, oil (automobile).....	—	—	1
Firearms.....	ton	5,600	44,143
Fire clay.....	—	—	2,649,057
Fire extinguishers, hand-type.....	—	—	4,170,538
Fire fighting and fire protection equipment n.e.s.....	—	—	928,442
Fireplaces and furnishings.....	—	—	—
Fireworks (see "Pyrotechnics").....	—	—	—
Fish, canned.....	case	2,509,832	49,630,000
Fish, otherwise prepared.....	lb.	237,915,000	18,842,000
Fish, fresh, marketed for consumption sold in factories.....	—	787,419,000	70,599,000

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Fishing nets and netting	lb.	983,421	2,310,248
Fishing tackle	—	—	2,874,875
Fixtures, lighting:			
Commercial and industrial	—	—	21,286,968
Residential	—	—	5,543,477
Street-lighting	—	—	3,658,389
Searchlights and floodlights	—	—	1,374,323
Other lighting equipment	—	—	271,895
Flags and bunting	—	—	314,337
Flashlights and cases	No.	145,375	156,745
Flatware, electro-silver plated and sterling (see also "Cutlery")	—	—	8,613,123
Flint for lighters	—	—	1
Flocks, wool and other n.s.	—	—	656,601
Floor cleaning equipment, n.e.s.	—	—	324,167
Floor covering, including linoleum, etc.	—	—	1
Flooring, hardwood	M ft. b.m.	68,406	12,457,253
Flooring, sheet rubber	lb.	767,308	275,033
Floor tile and joists, steel	—	—	1
Flooring, metal	—	—	1
Plotation machines	—	—	1
Flour, barley	—	—	1
Flour, buckwheat	—	—	1
Flour, corn	—	—	1
Flour, diabetic	—	—	1
Flour, potato (see "Starch and flour")	—	—	1
Flour, prepared and self-raising, cake mixes, pie crust, etc.	lb.	100,797,990	19,708,222
Flour preparations for sausage fillings	—	—	1
Flour, soya bean	—	—	1
Flour, wheat:			
Spring, No. 1 patent including Semolina	cwt.	7,429,915	33,570,468
Spring, No. 2 patent	"	10,315,029	43,511,865
Spring, No. 3 patent	"	12,554,781	52,372,800
Ontario winter	"	2,497,738	11,041,627
Low grade flour	"	1,985,581	6,463,565
Durum Semolina	"	671,749	3,181,730
All other	"	1,467,600	5,638,403
Flour, graham or whole wheat	"	436,481	1,738,494
Flour, rye	ton	6,263	460,192
Flowers, artificial	—	—	2,355,166
Flue linings	—	—	1
Fly pads and paper	—	—	1
Fly swatters	doz.	54,476	50,910
Foil (aluminum) laminated with paper or board (see "Paper board")	—	—	10,671,566
Foil, tin, lead and aluminum	—	—	1,388,969
Foil products, n.e.s.	—	—	749,370
Folding (trade work)	—	—	6,245,395
Food drinks, liquid (see also "Powder, food drinks")	—	—	1
Food, bird, fox, dog, etc.:			
Bird food	—	—	1
Fox biscuits	ton	830	90,374
Dog biscuits	"	4,191	947,857
Canned dog and cat food	"	58,307	10,602,968
Other dog and cat food	"	10,712	1,893,444
Other fox food	"	1,572	212,924
Mink and other animal food	"	17,793	1,981,457
Food, stock and poultry n.e.s. (see "Feeds")			
Food mixers	No.	172,675	3,305,632
Food, infant, canned	lb.	63,869,025	18,869,369
Food, infant, other including precooked cereal	"	7,974,292	2,566,454
Foods, frozen, n.e.s.	"	4,900,819	2,497,543
Food products, not specified	—	—	1,999,294
Foots, vegetable oil	lb.	2,790,634	178,830
Footwear, leather: (see also "Slippers"):			
Felt uppers (including felt slippers):			
Babies'	pt.	15,774	16,447
Boys'	"	17,114	43,232
Children's, including little gents	"	37,292	63,857
Men's	"	291,781	846,138
Youths'	"	7,587	16,869
Misses'	"	24,062	51,503
Women's and growing girls'	"	84,368	99,051
Leather or fabric uppers:			
Babies'	"	2,874,862	5,448,818
Boys'	"	1,388,786	4,894,718
Children's and misses'	"	6,015,745	14,100,543
Men's	"	7,859,620	45,429,792
Youths'	"	287,208	767,655
Women's and growing girls'	"	16,660,023	59,692,633
Footwear, moccasins, including shoe packs:			
Babies'	"	8,484	12,030
Boys'	"	20,219	41,598
Children's including little gents	"	24,710	29,880
Men's	"	122,645	342,881
Youths'	"	2,293	3,601
Women's, misses' and growing girls'	"	239,361	416,468
Footwear, plastic	"	3,503,926	3,222,493
Footwear, rubber:			
Knee and hip boots, all rubber	"	1,091,804	3,496,887
Lumbermen's boots, all rubber	"	342,143	1,722,056

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Footwear, rubber — Concluded:			
Lumbermen's boots, all leather tops	pr.	154, 667	1, 143, 556
Overshoes and galoshes, cloth uppers	"	706, 969	2, 863, 816
Overshoes, all rubber (lined and unlined)	"	3, 532, 113	10, 793, 433
Light and heavy rubbers	"	2, 546, 634	3, 310, 794
Rubber bottoms for leather tops	"	211, 891	370, 919
Utility footwear with canvas or other fabric tops	"	2, 061, 678	3, 871, 767
Footwear, not specified	"	974, 757	2, 086, 171
Forgings, iron and steel	—	—	24, 948, 122
Forgings, other	—	—	7, 588, 317
Forks, (farm implements)	No.	263, 649	468, 061
Formaldehyde	lb.	28, 762, 594	1, 531, 668
Forms, continuous, printed	—	—	25, 705, 695
Fountains, soda and lucheonette equipment	—	—	1
Frames and cases, spectacle	—	—	1
Freezers, individual, home and farm	No.	20, 916	4, 627, 872
Fringes, cords and tassels	—	—	1, 774, 477
Frit, enamel	—	—	1
Fruit drinks	—	—	1, 833, 376
Fruit juices, canned, bottled, etc., including grape juice	lb.	75, 767, 696	5, 147, 644
Fruit juices, concentrated (frozen)	—	—	1
Fruit peel, candied	lb.	3, 773, 342	1, 132, 058
Fruit pulp	—	—	1
Fruit, canned:			
Apples, including crab apples	lb.	13, 494, 669	1, 361, 009
Apple sauce	"	13, 915, 750	1, 500, 050
Apricots	"	6, 174, 208	1, 114, 381
Blackberries	—	—	1
Blueberries	lb.	2, 453, 097	550, 534
Cherries	"	8, 385, 395	1, 584, 054
Loganberries	—	—	1
Peaches	lb.	47, 864, 318	8, 280, 643
Pears	"	27, 719, 259	4, 195, 948
Plums	"	13, 699, 625	1, 201, 462
Raspberries	"	2, 510, 406	701, 098
Rhubarb	"	328, 509	30, 874
Strawberries	"	2, 531, 005	638, 481
Fruit cocktail and fruit for salad	"	5, 920, 626	1, 362, 305
Other fruits, not specified, pineapple, etc.	"	3, 534, 287	732, 440
Fruits, fountain	"	846, 333	345, 479
Fruits, glacé	"	5, 141, 764	2, 200, 633
Fruits, maraschino cherries	"	4, 468, 965	2, 429, 975
Fruits, frozen for re-processing	"	5, 996, 680	1, 064, 848
Fruits, frozen, not for reprocessing	"	16, 045, 522	3, 492, 311
Fruits, in SO ₂ for reprocessing	"	5, 457, 806	683, 542
Fruits and flavours for ice cream	gal.	367, 125	954, 058
Fry pans, electric	No.	319, 707	3, 858, 734
Fuel, hog	—	—	777, 365
Fur dressing and dyeing	—	—	6, 299, 336
Fur trimming	—	—	1, 860, 628
Fur remodelling, repairing, etc.	—	—	5, 760, 121
Furnaces, warm air	No.	143, 733	27, 623, 504
Furnaces, industrial, other	—	—	1, 286, 140
Furnaces, not specified, and furnace parts	—	—	1, 350, 796
Furniture, wood:			
Camp, lawn and verandah	—	—	439, 229
Children's	—	—	3, 661, 142
Household:			
Bedroom	—	—	37, 513, 218
Breakfast-room	—	—	749, 908
Dining-room	—	—	6, 451, 196
Kitchen	—	—	5, 247, 638
Living room (not upholstered)	—	—	8, 217, 972
Other	—	—	3, 301, 245
Office, store and restaurant	—	—	22, 958, 699
School, church, lodge, etc.	—	—	8, 891, 759
Other, furniture and cabinet work, n.e.s.	—	—	10, 137, 253
Furniture, metal:			
Breakfast room	—	—	17, 238, 761
Camp, lawn and verandah	—	—	3, 877, 299
Children's	—	—	416, 983
Household	—	—	1, 509, 749
Office, store, restaurant, theatre, etc.	—	—	16, 158, 479
Other, not specified	—	—	8, 535, 718
Furniture, wood or metal:			
Living room (upholstered)	—	—	56, 617, 380
Not specified (upholstered)	—	—	3, 991, 879
Furniture, not specified:			
Camp, lawn and verandah	—	—	64, 071
Office, school, lodge, church, theatre, etc.	—	—	4, 837, 416
Furniture frames and parts:			
Wood	—	—	6, 983, 111
Metal	—	—	462, 029
Not specified	—	—	1, 691, 933
Furniture glides	—	—	199, 376
Fuses and fuse wire	—	—	4, 080, 983
Gaiters, spats and leggings	—	—	117, 451
Galvanized ware	—	—	1, 898, 196
Games, not specified	—	—	2, 033, 541
Garage equipment, n.e.s.	—	—	2, 583, 924

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Gas made:*			
Retort coal gas	M cu. ft.	11,769,265	—
Coke oven gas	"	56,991,291	—
Producer gas	"	912,753	—
Water gas	"	3,546,536	—
Other	"	1,258,147	—
Gas, dry*	"	40,988,937	3,454,401
Gas, natural*	"	32,817,775	2,616,028
Gas, sold*	"	15,861,191	14,875,883
Gas used in own coke or gas plants*	"	12,648,758	3,601,309
Gas used in associated metallurgical work*	"	41,743,510	8,874,622
Gas, otherwise accounted for, but not sold*	"	1,393,733	553,809
Gas, not accounted for*	"	1,494,362	359,149
Gas, still, from petroleum refineries*	"	—	20,419,371
Gas, oil pintsch	M cu. ft.	22,844	374,797
Gases, liquified petroleum*	"	—	15,164,375
Gasoline*	gal.	3,061,716,351	610,610,787
Gas producing apparatus and parts	"	—	1
Gates	No.	27,934	658,112
Gauges, pressure (included in "Instruments")	"	—	—
Gauges, plug, ring, thread, etc.	"	—	792,818
Gears, rubber tired, truck, trailers, etc.	No.	5,999	633,969
Gears, transmission	"	—	2,700,393
Gelatine	"	—	—
Generators (alternating current)	"	—	17,056,132
Generators, steam, and parts	"	—	4,114,080
Glass, bevelled and polished edge, plates and sheets	"	—	1,143,335
Glass, cut (tumblers, bowls, etc.)	"	—	1,091,601
Glass, leaded, including memorial windows	"	—	261,727
Glass, non-shatterable	"	—	20,972,305
Glass, pressed, blown and drawn, including bottles, sealers, windows, kitchenware, etc.	"	—	53,361,406
Glass vials and chemical glassware	"	—	624,108
Glassware, decorated	"	—	957,734
Glass products, other, including windshield glass	"	—	4,413,516
Glasses, sight (see "Spectacles")	"	—	—
Glasses, sun	"	—	1,028,675
Gloves and mittens, fabric, dress:			
Cotton:			
Women's	doz. pr.	30,968	503,890
Men's	"	1,064	12,818
Children's	"	—	—
Not specified	"	—	6,372
Nylon, all types	doz. pr.	78,096	1,105,701
Rayon and rayon mixtures, all types	"	55,126	692,647
Gloves and mittens, fabric, work:			
Cotton:			
Men's	"	639,649	1,919,534
Other, including leather-faced	"	36,310	164,090
Not specified	"	61,700	230,438
Gloves and mittens, fabric, n.e.s.	"	100,828	397,201
Gloves and mittens, knitted	"	96,967	841,336
Gloves and mittens, leather, dress:			
Men's, lined	"	129,475	2,827,357
Men's, unlined	"	29,728	735,764
Women's and children's, lined	"	44,911	507,502
Women's and children's, unlined	"	12,721	320,890
Gloves and mittens, leather, work:			
Men's, lined	"	66,173	962,139
Men's, unlined	"	390,126	3,977,699
Women's and children's, lined	"	53,974	517,666
Women's and children's, unlined	"	17,992	153,907
Not specified	"	12,750	138,000
Gloves and mittens, leather, sport (see also "Sport gloves and mittens, base-ball, hockey, etc.")	"	—	268,865
Gloves, plastic, coated and rubberized	doz. pr.	195,854	883,011
Gloves, rubber	"	188,741	992,676
Glucose	"	—	1
Glue (bone, hide, fish and vegetable)	lb.	50,484,664	9,423,899
Glue stock	"	29,661,323	150,447
Gluten feed	"	—	1
Gluten, wheat	"	—	1
Glycerine, crude	lb.	1,321,833	248,564
Glycerine, refined	"	11,961,935	3,592,271
Glycols, not specified	"	—	1
Goggles, safety	"	—	—
Gold (remelted for resale, recovered from old golds and alloys)	"	—	3,531,459
Gold leaf	"	—	1
Golf clubs (complete)	No.	268,693	1,704,298
Golf supplies, including golf bags, carts, etc. (see also "Balls, golf")	"	—	216,239
Grains, roasted	"	—	1
Grains sold wet and dry (Brewers' and distillers')	ton	230,130	3,809,917
Granite monuments	"	—	4,081,461
Granite, for building purposes	"	—	1,440,034
Granules, roofing	"	—	1
Grape concentrate	"	—	1
Grape juice (included in "Fruit juices")	"	—	—
Graphite (included in "Electrodes carbon and graphite")	"	—	—
Grate bars and grating	"	—	1,522,633
Gravy preparations	"	—	786,844
Grease	"	—	496,631

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Grease, lubricating*	—	—	2,971,272
Grills and hot plates, electric, including stoves for glass coffee makers	No.	146,962	755,744
Grinding machines (Metal working).....	"	174	121,821
Guadinine nitrate.....	—	—	—
Gums, unvulcanized.....	lb.	996,025	573,997
Gymnasium supplies, not specified.....	—	—	553,870
Gypsum blocks and sheathing.....	sq. ft.	10,028,272	418,925
Hair, animal.....	lb.	4,564,637	1,204,266
Hair nets (included in "Hair dressing equipment and accessories")	—	—	—
Hair processed (resilatex).....	—	—	1
Hair goods, not specified.....	—	—	145,481
Hair dressing equipment and accessories.....	—	—	1,160,741
Halters, leather.....	No.	42,167	83,752
Handkerchiefs.....	doz.	145,672	314,236
Handles, broom and mop.....	No.	9,716,064	752,935
Handles, long tool and axe.....	"	2,892,552	1,476,948
Handles, small tool.....	"	15,465,189	713,012
Handles, n.e.s.....	—	—	1,792,093
Handling equipment, n.e.s.....	—	—	6,003,093
Hangers, garment.....	—	—	1,568,178
Hardware appliances.....	—	—	405,998
Hardware, automobile.....	—	—	7,883,893
Hardware, builders'.....	—	—	17,725,178
Hardware, casket.....	—	—	382,806
Hardware, furniture.....	—	—	5,846,931
Hardware, harness and saddlery.....	—	—	—
Hardware, pole-line (line materials, distribution specialties, etc.).....	—	—	11,987,732
Hardware, trunk and suitcase.....	—	—	472,569
Hardware, not specified.....	—	—	4,575,135
Harness, double.....	set	421	44,771
Harness, single.....	"	547	27,700
Harness collars.....	No.	11,857	89,746
Harness parts.....	—	—	226,896
Harrows, disc (horse or tractor drawn).....	No.	8,567	2,449,211
Harrows, drag and spring tooth.....	"	41,035	665,923
Harrow carts.....	"	997	110,465
Hassocks.....	—	—	782,862
Hat blocks.....	—	—	98,463
Hats, cotton:			
Men's.....	doz.	12,414	182,910
Women's.....	"	6,568	146,711
Children's.....	"	13,736	136,962
Hats, fur felt:			
Men's.....	"	91,810	5,040,707
Women's.....	"	19,418	1,229,722
Children's.....	"	3,505	45,885
Hats, linen, women's and children's.....	"	4,452	126,469
Hats, wool felt:			
Men's.....	"	25,097	486,242
Women's.....	"	58,811	1,613,489
Children's.....	"	8,788	134,366
Hats, velour felt:			
Women's.....	"	55,916	2,606,242
Other.....	"	100	4,200
Hats, straw:			
Men's.....	"	22,609	545,531
Women's.....	"	100,855	4,130,176
Children's.....	"	31,813	435,321
Hats, panama.....	"	4,387	185,843
Hats, silk and rayon, women's and children's.....	"	29,289	698,333
Hats, velvet, women's and children's.....	"	56,682	1,645,651
Hats, wool, women's and children's.....	"	18,150	286,442
Hats, not specified:			
Men's.....	"	10,734	54,599
Women's.....	"	35,224	861,113
Children's.....	"	24,847	149,416
Tams, berets and turbans.....	"	2,441	31,822
Headwear, other including knitted headwear.....	—	—	1,674,655
Hats and caps, fur (see also "Caps, fur").....	No.	3,701	20,163
Hats, cleaned and reblocked.....	—	—	12,300
Hat bodies.....	—	—	2,336,737
Hatters' supplies, including hat linings.....	—	—	245,239
Hay loaders.....	No.	212	54,052
Hay rakes, dump, tedders, etc.....	"	7,204	2,079,695
Hay balers, hay carriers, etc.....	"	7,235	7,572,412
Hay stackers.....	—	—	1
Heading, barrel.....	—	—	313,072
Hearing aids.....	—	—	1
Heaters, air, electric.....	No.	102,971	1,643,641
Heaters, auto and engine.....	—	—	3,771,053
Heaters, electric, unit.....	—	—	6,586,433
Heaters, water tank, coal, wood or oil.....	No.	592	57,761
Heaters, water tank, gas.....	"	55,106	3,451,701
Heaters, water, electric.....	"	301,294	896,936
Heaters, water, electric, including tanks and controls.....	"	60,701	4,080,533
Heaters, not specified.....	—	—	89,985
Heating and ventilating equipment, not elsewhere specified.....	—	—	17,390,227
Hectograph composition.....	—	—	77,748
Heels, leather, wood, etc.....	pr.	26,124,140	4,341,425

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Heels, rubber and composition	pr.	15, 126, 015	1, 918, 629
Heel lifts	"	372, 468	55, 870
Helmets	doz.	5, 551	50, 867
Hexamethylenediamine	—	—	1
Hides, all kinds	—	—	10, 846, 199
Hockey pucks	doz.	36, 110	51, 875
Hockey sticks	—	—	1, 671, 832
Hoses, hand	No.	152, 268	216, 207
Holists	—	—	7, 119, 279
Hollow-ware, copper	—	—	1
Hollow-ware, sterling silver	—	—	287, 772
Hollow-ware, silver-plated on Britannia metal	—	—	78, 616
Hollow-ware, silver-plated on brass and copper	—	—	1, 139, 959
Hollow-ware, silver plated on lead alloy	—	—	78, 938
Hollow-ware, silver plated on nickel silver	—	—	85, 156
Hollow-ware, other	—	—	152, 823
Holster sets (toy)	—	—	1
Honey butter	—	—	1
Hooks, eyes, notions, etc., not elsewhere specified	—	—	89, 243
Hoops, wooden	M	3, 438	137, 563
Hoops, steel and steel wire (included in "Sheets, hoops, bands and strips, iron and steel")	—	—	—
Hooves and horns	lb.	2, 029, 784	43, 789
Hormones, sex	—	—	2, 746, 212
Horseradish, prepared	lb.	711, 127	301, 172
Horseshoes	—	—	115, 298
Hose, fire, cotton	ft.	3, 186, 650	1, 040, 289
Hose, fire, rubber and rubber lined	lb.	617, 500	993, 642
Hose, garden, plastic	ft.	15, 025, 762	968, 861
Hose, garden, rubber	"	6, 471, 749	670, 054
Hose, other	—	—	11, 061, 080
Hosiery:			
Cotton and cotton mixtures:			
Men's seamless:			
Work socks	doz. pr.	95, 773	466, 205
Fine socks	"	251, 407	1, 018, 342
Other (anklets, sport, etc.)	"	103, 783	449, 719
Women's seamless:			
Full length stockings	"	106, 040	418, 296
Other (anklets, sport, etc.)	"	543, 435	1, 729, 816
Children's, seamless:			
Full length stockings	"	183, 712	626, 708
Others	"	25, 249	107, 164
Others	"	466, 457	1, 056, 791
Others	"	44, 212	316, 211
Full fashioned (all types)	"	11, 549	145, 595
Silk and silk mixtures, seamless and full-fashioned	"	—	—
Rayon and rayon mixtures:			
Men's seamless	"	33, 234	168, 534
Women's, seamless	"	35, 410	109, 131
Children's, seamless	"	82, 321	165, 514
Full-fashioned (all types)	"	26, 971	197, 909
Nylon:			
Seamless	"	2, 949, 641	16, 476, 369
Full-fashioned	"	3, 696, 387	23, 578, 378
Wool and wool mixtures:			
Men's, seamless:			
Work socks	"	438, 230	2, 474, 219
Fine socks	"	462, 638	4, 132, 475
Other	"	386, 015	2, 988, 316
Women's, seamless:			
Full length stockings	"	48, 128	370, 533
Other (anklets, etc.)	"	53, 239	262, 917
Children's, seamless:			
Full length stockings	"	54, 319	304, 916
Golfers	"	72, 377	394, 532
Other (half length, anklets, etc.)	"	113, 304	523, 510
Others	"	139, 262	610, 223
Hosiery, not specified	—	—	139, 099
Hospital equipment, n.e.s.	—	—	1, 167, 974
Household equipment (plastic)	—	—	—
Houses, pre-fabricated (see "Buildings, etc. pre-fabricated")	—	—	—
Humidifiers and air conditioners	No.	103, 024	734, 889
Hydrants	"	10, 654	1, 888, 878
Hydrogen	—	—	264, 746
Hydrogen chloride, anhydrous	—	—	1
Hydrogen peroxide	—	—	1
Hydrol	—	—	1
Ice, artificial	ton	528, 929	3, 535, 537
Ice cream (factory)	gal.	33, 298, 147	55, 643, 254
Ice cream mix	—	—	3, 932, 074
Icings, icing paste and candy mixes	lb.	2, 005, 424	669, 619
Implements, hand, n.e.s.	—	—	410, 455
Incense and incense charcoal	—	—	1
Incubators and other poultrymen's supplies	—	—	268, 220
Infants' wear (see also "Knitted infants' wear"):			
Bibs (including plastic bibs)	doz.	261, 298	227, 414
Coats	"	25, 566	1, 206, 837
Dresses	"	166, 260	2, 021, 231
Diapers	—	—	1, 905, 758
Headwear	—	—	703, 996
Night gowns	doz.	91, 272	500, 071

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Infants' wear (see also "Knitted infants' wear")—Concluded:			
Rompers	doz.	59,861	741,886
Sleepers (see also "Children's sleepers")	"	76,807	865,693
Sleeping bags	"	9,203	603,287
Not specified	—	—	612,639
Ingots (see "Aluminum", "Steel", "Brass", "Bronze")	—	—	1
Ink eraser, liquid	—	—	1
Ink, printing and lithographing	lb.	30,174,862	14,809,936
Ink, writing	—	—	357,012
Ink, not specified	—	—	346,760
Insecticides including D.D.T.	—	—	5,664,905
Instruments, (indicating, recording, controlling, etc. n.e.s.):			
Aircraft engine and flight instruments	—	—	13,601,446
Electric quantity instruments and accessories	—	—	12,879,214
Flow and liquid level instruments and accessories	—	—	1,617,364
Optical instruments	—	—	173,700
Pressure measuring, including gauges and accessories	—	—	1,928,694
Temperature and hygrometric instruments and accessories	—	—	6,653,324
Other instruments and accessories, n.e.s.	—	—	9,389,216
Insulating materials, n.e.s. (see also "Wool, mineral" and "Vermiculate")	—	—	2,806,845
Insulators, porcelain and insulator parts	—	—	6,952,677
Interoffice communication sets, excluding telephone apparatus provided	—	—	451,478
Iron, pig:			
Quantity made	ton	3,718,350	—
Quantity shipped	"	734,353	40,953,372
Iron and steel products, rolled, n.e.s.	—	—	1,110,039
Irons, electric	—	—	4,860,453
Irons, gasoline	—	—	1
Ironers, electric	No.	2,740	310,067
Iron work ornamental and architectural	—	—	19,890,621
Ironing boards	—	—	575,985
Irrigation equipment	—	—	301,710
Jacks, auto	—	—	1
Jacks, lift, screw and ratchet	—	—	1
Jams	lb.	78,746,485	16,298,252
Javelle water	—	—	9,913,573
Jellies	lb.	7,529,626	1,849,530
Jewellery	—	—	23,369,561
Jigs and fixtures	—	—	3,227,006
Joiners, woodworking	—	—	1
Jute, jute paddings and jute yarn	—	—	474,142
Kegs, beer	—	—	1
Kegs, fish	—	—	1
Kegs, nail, etc.	No.	768,225	566,033
Kettles, electric	—	330,065	2,176,199
Kitchen equipment for hotels, cafeterias, etc.	—	—	6,265,501
Kitchenware, aluminum, including pressure cookers	—	—	6,801,989
Kitchenware and ovenware, glass (included with "Glass, pressed and blown")	—	—	6,517,732
Kitchenware, other (see also "Woodenware, kitchen")	—	—	—
Knitted fabrics:			
Cotton stockinette, including meatwrap	lb.	1,741,145	1,598,017
Cotton, not specified	"	2,208,185	2,842,144
Nylon and nylon mixtures	"	3,200,899	10,138,273
Rayon and rayon mixtures	"	3,451,116	4,396,429
Wool	"	734,379	1,710,347
Other	"	442,039	1,006,868
Knitted goods, miscellaneous:			
Infants' jackets, booties, etc.	—	—	2,495,481
Not specified	—	—	295,294
Knitting, custom	—	—	701,423
Knives, machine	—	—	1,866,901
Knives, bread and paring	—	—	1
Labels, gummed paper	—	—	2,236,465
Labels, fabric	—	—	1,210,807
Lace, all kinds	—	—	2,813,839
Laces, corset	—	—	30,576
Laces, shoe, (silk, cotton, etc.)	—	—	1,126,418
Laces, shoe, leather	—	—	1,271
Lacquers	gal.	2,735,481	8,215,287
Lacrosse sticks	—	—	1
Lactose (see "Sugar of milk")	—	—	2,147,847
Ladders, step, extension, etc.	—	—	10,410,880
Laminates, plastic; decorative, industrial, etc.	—	—	17,881,178
Lamps, incandescent, except therapeutic (bulbs)	—	—	5,567,803
Lamps, fluorescent (bulbs)	No.	6,909,317	3,360,521
Lamps, photo flash (bulbs)	"	42,796,802	3,360,521
Lamps, mercury, etc. (bulbs)	—	—	700,456
Lamps, electric:			
Floor	—	—	2,767,221
Table	—	—	4,834,351
Other	—	—	1,073,742
Lamps, other	—	—	395,662
Lamp shades and wire frames	—	—	2,512,687
Lanterns, including railway, marine, etc.	—	—	1
Lard	lb.	95,230,114	16,552,350
Lasts, trees, and shoe findings, not specified	—	—	1,959,283
Latex compounds	—	—	1
Latex, foamed (included in "Rubber goods, sponge and soft")	—	—	—
Lathes, metal-working	No.	93	588,438
Lathes, wood-working	"	288	19,789
Lath, metal	—	—	4,136,305

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Lath, gypsum	sq. ft.	322, 401, 967	9, 744, 059
Laths, wood	M	116, 384	1, 247, 616
Lead, naphthenate	—	—	1
Lead, refined (metal)	lb.	53, 941, 643	8, 248, 975
Lead, red	—	—	1
Lead, white, dry	—	—	1
Lead, white, ground in oil	—	—	1
Lead, sheet	lb.	4, 811, 182	953, 506
Lead products, n.e.s.	—	—	1, 976, 177
Lead for pencils	—	—	161, 330
Leather:			
Belting	lb.	179, 938	213, 079
Bag, case and strap	sq. ft.	2, 098, 503	876, 014
Garment	—	4, 704, 253	1, 273, 585
Glove	—	—	2, 828, 623
Harness	—	—	1
Lace	lb.	162, 349	263, 412
Oil tanned, shoe pack	—	—	1
Sole:			
Bellies	lb.	1, 132, 936	379, 729
Bends	"	7, 959, 481	4, 811, 320
Shoulders	"	2, 454, 880	1, 118, 388
Not specified	—	—	105, 444
Upholstering (included in "Leather, not specified")			
Upper leather:			
Calf skins	sq. ft.	10, 499, 502	7, 032, 188
Cattle and horse hides	"	56, 614, 620	18, 475, 694
Chrome splits	"	14, 326, 111	2, 386, 262
Goat skins	"	462, 826	130, 769
Sheep skins	"	74, 740	17, 649
Patent and enamelled shoe leather, (included in "Other upper leather, not specified")			
Other, not specified	"	6, 203, 507	2, 413, 644
Leather splits, not specified	—	—	1, 188, 540
Leather, not specified	—	—	1, 711, 257
Leather, artificial	sq. yd.	7, 520, 974	7, 874, 449
Leather goods, not specified	—	—	107, 039
Lecithin	—	—	201, 275
Lemon butter and cheese	—	—	1
Lenses, optical	No.	4, 058, 007	3, 336, 311
Lenses, optical, contact	—	—	1
Lenses for optical instruments	—	—	1
Life buoys, jackets, belts, etc.	—	—	496, 981
Lighter fluid	—	—	762, 233
Lighters, cigarette, and parts	—	—	992, 064
Lighting equipment, n.e.s.	—	—	2, 768, 839
Lightning rods and supplies	—	—	1
Lignin	—	—	1
Lignosulphonates	—	—	1
Lime, quick (including value of containers)*	—	—	17, 528, 782
Limestone (building and monument)	—	—	1, 416, 138
Line material (see "Hardware, pole-line")			
Linings, brake, asbestos	—	—	3, 845, 613
Linings, glove and shoe	—	—	761, 760
Linings, n.e.s.	—	—	1, 424, 971
Linoleum (see "Floor covering")			
Liquors, acid	—	—	1
Litharge	—	—	1
Lockers and shelving, metal	—	—	5, 968, 944
Locomotives, diesel-electric, new*	No.	530	94, 829, 541
Locomotive and car parts n.e.s.	—	—	20, 915, 322
Log ends for pulping	cord	10, 856	70, 605
Looms, weaving	—	—	1
Lubricating systems, automobile and other	—	—	1
Lumber, matched	M ft. b.m.	154, 064	15, 271, 949
Lumber, planed	"	1, 344, 685	95, 655, 742
Lumber, sawn*	"	7, 102, 365	466, 305, 564
Lumber, not specified*	—	—	1, 847, 420
Lye	—	—	1
Macaroni and spaghetti, canned	lb.	36, 649, 337	4, 563, 945
Macaroni, vermicelli, spaghetti, etc. dry	"	90, 878, 222	12, 239, 688
Machinery:			
Accounting machines (included in "Machinery, office")			
Adding	No.	18, 641	3, 075, 002
Bakers', milking	"	691	692, 032
Bakers', not elsewhere specified	—	—	547, 237
Boring (metal-working)	No.	16	484, 433
Calculating (included in "Machinery, office")			
Canning and parts	—	—	1
Cleaning and pressing (included in "Laundry, cleaning and pressing")			
Coal handling and coal pulverizing	—	—	1, 494, 109
Concrete and cement making	—	—	3, 581, 236
Construction	—	—	1, 948, 197
Conveying and elevating (except passenger and freight elevators) and parts	—	—	21, 909, 069
Dairy and milk products, plant machinery, excluding milking machines	—	—	1, 978, 345
Excavating, dredging, loading etc.	—	—	10, 311, 188
Flour and grist mill, n.e.s.	—	—	220, 934
Food products machinery, n.e.s. including milking machines	—	—	2, 809, 744
Grain grinding, rolling, etc.	—	—	218, 109
Grain loaders and elevators	—	—	3, 208, 381

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 — Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Machinery — Concluded:			
Hoisting, except mine hoists	—	—	21, 102, 292
Kitchen and other household	—	—	3, 874, 571
Laundry, cleaning and pressing	—	—	1, 697, 673
Logging	—	—	1, 184, 273
Lumber and shingle drying	—	—	867, 422
Metal-working, n.e.s.	—	—	294, 477
Milking (included in "Food products machinery n.e.s.")	—	—	—
Mining and metallurgical, n.e.s. and parts	—	—	13, 421, 523
Office, n.e.s. (see also "Machinery, adding")	—	—	28, 600, 467
Oil refining	—	—	3, 777, 056
Plastics	—	—	23, 309
Printing	—	—	1, 400, 667
Pulp and paper	—	—	32, 948, 651
Road and excavating	—	—	3, 383, 350
Rock drilling, earth boring and related machinery, n.e.s.	—	—	5, 770, 352
Rolling mill	—	—	3, 812, 910
Rubber mill	—	—	1, 688, 919
Saw and planing mill	—	—	3, 220, 798
Sewing	—	—	—
Ships' and fittings	—	—	4, 138, 812
Stone working	—	—	72, 307
Textile, n.e.s.	—	—	422, 354
Transmission	—	—	3, 273, 778
Vulcanizing	—	—	—
Washing machines:			
Electric	No.	271, 013	30, 402, 952
Other power	"	5, 734	608, 531
Parts and accessories	—	—	15, 080
Water and sewage treatment	—	—	3, 832, 828
Wood-working, n.e.s.	—	—	1, 333, 026
Wrapping and packaging	—	—	933, 830
Other, not specified	—	—	22, 854, 915
Machinery parts, not specified	—	—	2, 225, 702
Magnesium products	—	—	—
Malt, made for sale	—	—	—
Malt, caramel	—	—	—
Malt flour	—	—	86, 291
Malt extract and syrup	—	—	—
Malt coomings and sprouts	—	—	—
Manganese naphthenate	—	—	—
Mantles, lamp and stove	—	—	—
Manure spreaders and loaders	No.	3, 773	1, 394, 328
Maple products	—	—	—
Maps	—	—	1, 313, 663
Marble monuments	—	—	500, 015
Marble for building purposes	—	—	1, 099, 963
Margarine and margarine substitute	lb.	129, 893, 101	31, 167, 673
Marine and fishermen's supplies	—	—	201, 249
Marmalades	lb.	21, 502, 022	3, 996, 738
Massage units (vibrators)	—	—	—
Match splints and match blocks	—	—	1, 985, 787
Matchers, wood-working	—	—	—
Matches (in books)	No. of books	592, 311, 068	1, 907, 305
Matches, other	—	—	—
Mats and matting, rubber	—	—	3, 699, 039
Mattresses, air and sponge	—	—	—
Mattresses, spring filled and other	No.	1, 346, 134	23, 518, 523
Meal, cereal grass	ton	52, 812	3, 184, 268
Meal, coconut oilcake	—	—	—
Meal, corn	ton	6, 822	633, 760
Meal, fish	"	60, 355	7, 742, 000
Meal, linseed oilcake	"	60, 735	4, 075, 566
Meal, meat, hoof, lung, liver, etc.	"	36, 716	3, 021, 005
Meal, rapeseed oilcake	—	—	—
Meal, rice	—	—	—
Meal, rye	ton	1, 033	63, 800
Meal, sunflower oilcake	—	—	—
Meal, soyabean oilcake	ton	329, 526	20, 471, 289
Meats:			
Meats, fresh and frozen	lb.	1, 455, 529, 279	487, 900, 883
Poultry, fresh and frozen	"	44, 687, 281	19, 616, 656
Horse meat, fresh and frozen	"	100, 100	12
Meats, cured and smoked	"	238, 642, 874	136, 793, 120
Meats cooked, including sausage, weiners, etc.	"	286, 808, 326	118, 505, 931
Meats canned:			
Beef	"	6, 589, 295	—
Ready dinners, stew, etc.	"	25, 125, 202	9, 732, 728
Pork	"	34, 440, 512	19, 706, 387
Poultry	"	3, 886, 018	3, 135, 794
Miscellaneous	"	9, 726, 126	3, 877, 922
Meats, not specified	"	377, 701	121, 794
Meat scrap, cracklings, etc.	"	23, 469, 437	925, 257
Medicines and pharmaceuticals (see also "Antibiotics", "Penicillin", "Streptomycin", "Vitamins", etc.):			
Registered as patent medicines	—	—	22, 325, 936
Ethical specialties for human use, n.e.s.	—	—	41, 945, 072
Oral antiseptics	—	—	951, 093
All other human medicines	—	—	10, 299, 466
Other, including medicinal chemicals, sutures, etc.	—	—	7, 176, 718

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Metal products, not specified.....	—	—	6,233,927
Meters, gasoline.....	—	—	1
Meters, parking.....	—	—	590,488
Meters, water.....	—	—	1
Meters, other and meter parts.....	—	—	986,553
Methyl isobutyl carbinol.....	—	—	1
Methyl isobutyl ketone.....	—	—	1
Methyl hydrate, crude and refined.....	—	—	1
Mica products.....	—	—	1
Milk, sold by dairy factories.....	gal.	347,409,793	271,569,825
Milk, transferred to other branches of the firm.....	“	14,249,134	5,282,697
Milk, buttermilk, sold.....	—	—	2,604,263
Milk, buttermilk, condensed.....	—	—	1
Milk, condensed.....	lb.	16,249,715	2,423,537
Milk, evaporated.....	“	305,224,911	39,135,963
Milk, skim.....	—	—	7,497,629
Milk, skim, condensed.....	lb.	5,096,212	450,164
Milk, skim, evaporated.....	“	9,304,765	392,202
Milk products, not specified.....	—	—	3,770,255
Milk drinks, (see “Food drinks”)	—	—	—
Milling cutters.....	—	—	1,268,951
Mincemeat.....	lb.	6,286,610	1,207,393
Mine timbers, props, wedges, etc.....	—	—	2,183,516
Mirrors.....	—	—	5,026,439
Modelling clay.....	—	—	—
Molasses.....	ton	49,260	1,461,422
Mono-sodium glutamate.....	—	—	1
Monuments, lettered only.....	—	—	724,962
Monuments, (see “Granite”, “Limestone” and “Marble”)	—	—	—
Monuments, artificial stone, bases, etc.....	—	—	192,355
Mops, dish.....	doz.	78,468	124,034
Mops, floor:	—	—	—
Cellulose.....	—	—	201,150
Wet.....	—	—	2,144,151
Dry.....	—	—	1,359,420
Mops, not elsewhere specified.....	—	—	115,604
Mop parts.....	—	—	68,172
Morticians' goods.....	—	—	486,903
Mortisers (wood working).....	—	—	1
Motor driven appliances and equipment.....	—	—	810,838
Motors, electric, A.C. and D.C. (except starting motors).....	—	—	53,558,780
Motors, other, and parts.....	—	—	5,369,973
Moulders, wood-working.....	—	—	—
Mouldings.....	—	—	15,215,537
Moulds and dies.....	—	—	2,907,866
Moulds n.e.s.....	—	—	38,671
Moulds and stools, ingot.....	—	—	1
Mounting (trade work).....	—	—	743,969
Mowers, hay (horse and tractor).....	No.	12,225	3,003,322
Mowers, lawn.....	“	144,963	6,286,827
Mucilage.....	—	—	35,280
Muffs, fur.....	No.	1,009	25,803
Muff beds, etc.....	—	—	21,687
Munitions and other war supplies.....	—	—	1
Muriate of potash.....	ton	2,946	158,604
Music, printed.....	—	—	204,352
Musical boxes, powder and other.....	No.	8,000	26,051
Musical instruments and parts, n.e.s.....	—	—	150,583
Mustard, dry.....	—	—	1
Mustard, prepared.....	—	—	2,032,267
Mustard compound.....	lb.	126,074	34,116
Nails, aluminum.....	—	—	208,621
Nails, brass and copper:	—	—	—
Quantity made.....	lb.	137,577	—
Quantity shipped.....	“	120,354	91,407
Nails and spikes cut from plate:	—	—	—
Quantity made.....	keg	12,660	—
Quantity shipped.....	“	12,032	141,480
Nails, tacks and brads, wire:	—	—	—
Quantity made.....	“	1,382,635	—
Quantity shipped.....	“	1,397,001	13,941,686
Nails, horseshoe.....	—	—	1
Naphthalene.....	gal.	167,474	82,461
Naphtha V.M. and P. or solvent*.....	“	32,268,463	7,461,860
Napkins, paper.....	M	3,027,060	3,623,611
Napkins, sanitary (see “Pads, sanitary”)	—	—	—
Neckties.....	doz.	843,480	7,126,147
Neckwear, women's.....	“	51,349	453,306
Neckpieces, fur.....	No.	16,128	939,538
Needles, knitting machine.....	—	—	1
Needles, knitting, other.....	—	—	1
Nets, laundry.....	—	—	108,977
Nets and netting, fabric.....	—	—	1
Nickel-silver, n.e.s.....	lb.	646,362	531,553
Night dresses:	—	—	—
Cotton and flannelette.....	doz.	121,249	2,432,764
Nylon.....	“	68,544	1,859,119
Rayon and silk.....	“	68,555	1,478,398
Night dresses, knitted and other n.e.s.....	“	24,925	843,996

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Nightshirts	doz.	3,595	73,296
Nitrobenzol	—	—	1
Nitrogen	—	—	1
Nitrous oxide	—	—	—
Non-ferrous alloys, n.e.s.	lb.	629,703	427,562
Novelties, plastic	—	—	354,754
Novelties, printed	—	—	1,284,400
Novelties, other	—	—	1,667,699
Nuts, roasted, salted, etc. (see also "Peanuts, roasted, salted")	lb.	4,893,041	1,064,205
Nylon fabric (see "Silk and synthetic fabrics" and "Knitted fabrics")	—	—	4,144,471
Oars and paddles	—	—	—
Oats, rolled	—	—	224,636
Oatmeal	ton	41,890	7,400,675
Offal, not specified	—	2,005	290,114
Oil burners and parts	—	—	1,656,106
Oilcloth, other than floor	—	—	10,446,779
Oil, aniline	—	—	1
Oil, coconut, crude and processed	lb.	33,287,625	4,486,707
Oil, core	—	—	652,711
Oil, corn, crude	—	—	1
Oil, corn, refined	—	—	1
Oil, cotton seed	lb.	10,200,335	2,224,470
Oil, creosote	—	—	3,242,978
Oil, fish (industrial)	lb.	30,052,000	2,767,000
Oil, fish (Vitamin)	M/u's	2,393,400	180,000
Oil, fish, not specified	—	—	1,528,007
Oil, fuel:			
Aviation turbine*	Imp. gal.	167,652,344	28,589,068
Diesel*	—	908,173,502	135,175,726
Heavy fuel oil:			
For own use	—	250,477,380	21,854,287
For sale	—	1,403,484,497	129,577,876
Light fuel oil:			
For own use	—	668,865	88,068
For sale	—	1,349,450,928	205,056,269
Tractor* (Included in "Oil, stove")	—	—	—
Oil, fusel, (solid)	—	48,643	26,889
Oil, industrial, n.e.s.	—	3,185,905	1,990,594
Oil, lard	—	—	1
Oil, light n.e.s.	gal.	6,419,794	1,649,161
Oil, linseed, boiled	—	316,426	502,781
Oil, linseed, raw	—	4,854,205	5,771,637
Oil, linseed, special	—	2,779,183	3,882,003
Oil and grease lubricating* (see also "Grease lubricating")	—	—	66,257,240
Oil, neatsfoot	lb.	713,395	130,307
Oil, oleo	—	—	1
Oil, palm and palm kernel	—	—	1
Oil, peanut	—	—	1,092,587
Oil, rapeseed	—	—	1
Oil, soybean	lb.	150,024,969	21,138,944
Oil, stand blown, enamel, etc.	—	—	1
Oil, stove and tractor*	Imp. gal.	366,290,334	66,503,940
Oil, sulphonated, textile oils and other textile chemicals	lb.	4,569,032	527,816
Oil, sunflower seed	—	—	1
Oil, vegetable, n.e.s.	lb.	57,618,975	10,466,688
Oils, other not specified	—	—	2,145,399
Oleo stock	lb.	3,440,717	440,693
Olives, bottled, etc.	—	—	4,424,349
Optical equipment n.e.s.	—	—	1
Organs, electronic	—	—	1,368,556
Organs, other, and parts	—	—	603,560
Ornaments, not specified	—	—	380,064
Ovens, domestic, electric (built in)	No.	3,467	583,453
Ovens, commercial, cooking	—	163	472,819
Ovens, industrial, electric	—	—	—
Overalls (see also "Smocks, etc."):			
Bib:			
Men's and youths'	doz.	78,739	2,985,866
Boys'	—	5,771	124,867
Coveralls:			
Men's and youths'	—	56,751	3,148,475
Other, not specified	—	711	23,849
Dungarees and waist band:			
Men's and youths'	—	274,430	8,304,085
Boys'	—	243,652	5,259,431
Overall coats (jumpers only):			
Men's and youths'	—	13,099	503,364
Boys'	—	569	14,487
Smocks, dusters and shop coats (men's and youths')	—	40,716	1,805,220
Children's, all kinds	—	319,945	3,622,270
Not specified	—	1,592	36,420
Oxygen	—	—	11,213,677
Packaging equipment	—	—	72,390
Packing, asbestos	—	—	970,441
Packing, rubber	lb.	2,003,662	1,061,186
Packing, not specified	—	—	251,328
Packing house equipment	—	—	1
Pads, electric, heating	No.	144,277	499,245
Pads, couch	—	2,154	19,911

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Item	Unit of measure	Quantity	Value of factory shipments
			\$
Pads, ironing	—	—	222, 979
Pads, sanitary	—	—	8, 204, 852
Pads, shoulder	doz. pr.	1, 195, 606	1, 240, 226
Pads, stamp	—	—	57, 860
Pads, sweat	No.	16, 164	20, 976
Pads and padding, n.s.	—	—	1, 730, 685
Pails, paper	—	—	—
Pails, tin	—	—	349, 003
Pails, not specified	—	—	213, 487
Painting equipment, n.s.	—	—	2, 326, 669
Paint, varnish and enamel removers	gal.	180, 783	524, 030
Paints, cement	—	—	—
Paints and enamels, water-thinned:			
Latex base emulsion paints	gal.	2, 742, 897	10, 949, 336
Resin and other bases emulsion paints, (paste and semi paste)	"	372, 854	1, 197, 546
Casein and other protein bound, glue bound:			
Dry	lb.	1, 131, 472	125, 465
Paste and semi paste	gal.	22, 588	48, 071
Plastic texture, paste and dry	lb.	254, 350	24, 095
Calcimines	"	765, 122	85, 720
Lime and cement bound	"	2, 334, 154	220, 171
Other water-thinned paints	—	—	54, 298
Paints and enamels, ready mixed	gal.	20, 585, 198	85, 767, 689
Paints, paste (not including water-paste paints)	lb.	2, 012, 216	457, 191
Paints, semi-paste (not including water-thinned type)	gal.	64, 135	179, 022
Paints and enamels, other (see also "Enamels" and "Lacquers")	—	—	217, 184
Pallets (skids)	No.	675, 229	1, 918, 071
Pants, breeches, etc:			
Breeches:			
Men's and youths':			
Wool and wool mixtures	doz.	1, 132	63, 202
Boys':			
Wool and wool mixtures	"	2, 659	65, 003
Pants and slacks, fine, separate, dress and sport:			
Men's and youths':			
Cotton or chiefly cotton	No.	251, 899	802, 514
Rayon	"	1, 147, 733	4, 960, 130
Rayon mixtures, chiefly rayon	"	450, 746	2, 020, 267
Wool	"	1, 248, 419	11, 132, 367
Wool mixtures, chiefly wool	"	298, 695	2, 009, 173
Boys':			
Cotton or chiefly cotton	"	210, 888	486, 474
Rayon	"	692, 626	1, 948, 819
Rayon mixtures, chiefly rayon	"	418, 108	1, 116, 299
Wool	"	131, 867	666, 213
Wool mixtures, chiefly wool	"	373, 203	963, 755
Pants, soccer, hockey, etc.	pr.	25, 246	172, 394
Pants, uniform, separate:			
Men's and youths':			
Military	No.	128, 269	557, 938
Non-military	"	148, 552	1, 304, 177
Pants, work:			
Men's and youths':			
Cotton	doz.	289, 214	9, 525, 636
Wool and wool mixtures	"	42, 667	2, 140, 422
Not specified	"	999	73, 692
Boys':			
Cotton	"	34, 063	806, 806
Wool and wool mixtures	"	6, 974	208, 474
Pants, baby (plastic, rubber, etc.)	doz.	476, 333	1, 856, 322
Pants, rubberized and oiled (Included in "Clothing, oiled and waterproofed")	—	—	—
Pants, not specified	—	—	716, 439
Paper:			
Adding machine and cash register	—	—	941, 977
Asbestos	—	—	1
Blotting, clay coated and enamelled	—	—	1
Blue print and other reproduction paper	—	—	3, 402, 680
Book (basic)	—	—	28, 251, 844
Box cover, coloured	—	—	1
Writing pads, tablets, etc.	—	—	1, 991, 152
Building and roofing paper:			
Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	2, 492, 775	17, 949, 242
Mineral surfaced rag and asbestos felt roll roofings	"	746, 226	2, 474, 300
Smooth surfaced rag and asbestos felt roll roofings	"	903, 139	2, 222, 251
Roll type rag and asbestos felt siding	"	250, 087	782, 386
Tar and asphalt saturated rag and asbestos felts, not coated	ton	54, 002	5, 412, 617
Tar and asphalt saturated and/or coated sheathings	"	17, 330	2, 339, 223
Other dry sheathings	—	—	286, 866
Insulated siding	—	—	1
Building papers, n.s. (basic)	—	—	6, 534, 824
Carbon	—	—	3, 493, 600
Cigarette tubes and paper	—	—	1, 162, 806
Coated n.e.s.	—	—	13, 426, 145
Corrugated (paper and wrappers)	—	—	1, 588, 793
Creped or crinkled	lb.	1, 783, 665	528, 459
Fine (basic)	ton	110, 573	37, 609, 883
Fine, miscellaneous (basic)	"	24, 122	7, 289, 322
Foolscap	lb.	907, 778	182, 243
Friction or flint glazed	—	—	1

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Paper - Concluded:			\$
Gummed (in sheets).....	—	—	1
Special, industrial.....	ton	6,368	1,981,151
Lining, pan, shelf, etc.	—	—	597,330
Parchment, vegetable	ton	4,326	2,608,111
Paper napkins and doilies (see "Napkins" and "Doilies")			
Newsprint paper (basic):			
In sheets, for printing.....	"	57,949	8,220,272
In rolls, for printing	"	6,070,856	694,227,316
Side runs, for pulping	"	23,141	1,602,555
Counter rolls	—	—	1
Other	—	—	23,660,903
Printing and specialty paper, ground wood	ton	80,588	12,641,929
Safety paper, for cheques, etc.	—	—	1,472,613
Sanitary (basic)	ton	36,851	10,354,778
Tissue, converted	"	2,827	1,251,277
Tissue, other than sanitary, (basic stock)	"	10,220	3,864,157
Toilet, converted	case	2,624,893	19,270,414
Towels, paper (see "Towels, paper")			
Typewriter	—	—	584,346
Vinylite.....	—	—	1
Wall paper	—	—	1
Waterproofed, other than waxed, n.e.s.	lb.	13,315,327	1,768,102
Waxed paper:			
Bread wrappers	"	29,876,266	7,550,780
Other, plain and printed	—	—	10,854,697
Wrapping paper (basic stock):			
Unbleached sulphate kraft No. 1 and 2	short ton	219,079	43,013,605
Bleached sulphate or sulphite	"	27,992	8,884,524
Unbleached and semi-bleached sulphite and sulphate	"	2,876	721,057
Miscellaneous furnishes	"	7,961	1,743,743
Wrapping, special	—	—	3,251,787
Paper, miscellaneous, n.e.s. (converted)	—	—	411,515
Paper goods	—	—	1,342,123
Paper board:			
Box board (basic stock)	ton	336,395	51,752,788
Container board:			
Container chip (basic stock)	"	8,145	946,350
Corrugating board (basic stock)	"	153,478	20,189,921
Liners (basic stock)	"	307,653	42,602,665
Aluminum foil laminated with paper or board	lb.	10,321,885	6,492,697
Mounting board, photo, etc.	—	—	1
Clay coated and enamelled	—	—	1
Coated other, not specified	—	—	716,219
Special food board	—	—	3,745,461
All other board and paper n.s.	—	—	1,780,579
Paperies (stationery in boxes) (see also "Paper - writing pads, tablets, etc.")	—	—	788,431
Parachutes and parachute equipment	—	—	1
Parafilm	—	—	1
Paraldehyde	—	—	1
Partitions, office	—	—	3,249,166
Paste, adhesive	—	—	443,020
Paste, meat and chicken	lb.	650,146	405,888
Paste, flavoring	"	308,415	94,988
Paste, tooth (see "Dentifrices")	—	—	1
Patterns and models, foundry and other wood and metal	—	—	3,299,439
Patterns, paper	—	—	2,001,599
Peanut butter	lb.	29,226,006	8,934,869
Peanuts, roasted and salted (for sale) (see also "Nuts, salted etc.")	"	23,823,735	8,134,561
Pearls, artificial and simulated	—	—	385,660
Peavies, cant hooks and pike poles	—	—	302,458
Pectin	—	—	1
Pencils, non-mechanical	gr.	628,019	3,204,610
Pencils, mechanical	doz.	126,904	512,663
Pencil parts	—	—	38,374
Penicillin (included in "Antibiotics")	—	—	3,436,242
Penicillin preparations	—	—	1,260,686
Penicillin-streptomycin preparations	—	—	196,438
Pennants	doz.	1,326,495	3,381,915
Pens, ball point (including liquid lead pencils)	"	210,104	2,720,709
Pens, fountain	—	—	1,489,268
Pens, fountain, ball point and other parts (including ball point replacements)	—	—	1
Pentaerythritol	—	—	1
Pentastol acetate	—	—	1
Perchloroethylene	—	—	1
Percolators, electric (see "Coffee-makers, electric")	—	—	1
Perfumes	—	—	1,484,614
Periodicals, printed by publishers:			
Newspapers, daily:			
Gross revenue from advertising	—	—	146,388,471
Subscriptions and sales	—	—	48,652,585
Newspapers, weekly and other:			
Gross revenue from advertising	—	—	34,451,797
Subscriptions and sales	—	—	13,586,761
Magazines:			
Gross revenue from advertising	—	—	18,109,182
Subscriptions and sales	—	—	6,734,595
Other publications:			
Gross revenue from advertising	—	—	50,625,718
Subscriptions and sales	—	—	13,791,454

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Petrochemical feed stocks*	—	—	6,642,608
Phenol	—	—	1
Phenacetin	—	—	1
Phonographs, electrically operated included with ("Record players, electrically operated")	—	—	1
Phosphorus	—	—	1
Phosphorus sesquisulphide	—	—	1
Photo-engraving (trade work)	—	—	13,301,763
Photographic materials, n.e.s. (including photo paper)	—	—	5,925,997
Photography (Commercial)	—	—	853,721
Phthalic anhydride	—	—	1
Pianos:			
Grand	No.	75	91,200
Upright	"	6,541	2,641,700
Piano strings and other parts	—	—	781,987
Pickets, wood*	—	—	50,895
Pickles, relishes and sauces (see also "Tomato Catsup")	gal.	1,138	19,364,575
Picrite	—	—	1
Pictures, framed	—	—	928,484
Picture and mirror frames, etc.	—	—	893,998
Pies, cakes and pastry (see also "Puddings, cakes, etc., canned")	—	—	87,010,429
Pies, meat	—	—	1,786,050
Pillow cases (included in "Sheets and pillow cases, cotton")	—	—	—
Pillow cotton (included in "Cotton fabrics broad woven")	—	—	—
Pillows	—	—	1,688,208
Pins, plain, hair and including bobby pins	—	—	1,024,248
Pipe, asbestos cement	—	—	1
Pipe, culvert, sheet metal	ton	56,093	18,785,799
Pipe, sewer, clay	—	—	3,122,708
Pipe, sewer, drain and culvert, cement	ton	819,410	18,967,237
Pipe, lead	lb.	3,417,087	690,941
Pipe, plastic	—	—	2,668,346
Pipe, steel, rivetted and welded	ton	571,327	125,475,303
Pipe, wooden	—	—	1
Pipe and fittings, brass, bronze and copper	—	—	381,747
Pipe and fittings, cast iron, soil	ton	65,976	12,540,389
Pipe and fittings, cast iron, water	"	96,574	15,006,192
Pipe and fittings, cast iron, other	"	9,285	4,145,493
Pipe and fittings, malleable iron	"	8,090	6,053,838
Pipe and fittings, steel, n.e.s.	"	60,121	20,742,885
Pipe and fittings, n.e.s.	—	—	4,334,858
Pipe and tubing, copper	—	—	1
Pipe and elbows, stove and furnace	—	—	3,812,295
Pipes, tobacco	doz.	6,169	67,617
Piston rings, expanders, etc. (automobile)	—	—	3,206,312
Pistons, automobile	—	—	1,208,071
Pitch	ton	120,660	5,354,758
Planers, wood-working	No.	100	185,633
Planing, custom	—	—	6,288,802
Planters, com	No.	2,079	454,278
Plasticizers (included in "Accelerators")	—	—	—
Plastics, primary (included in "Synthetics and plastics products n.e.s.")	—	—	—
Plate and tank work, steel, miscellaneous	—	—	13,814,944
Plate, black, not specified	ton	31,990	4,965,015
Plates, sheets and strips, brass, copper, etc.	lb.	48,083,081	22,336,324
Plates, all kinds including boiler and other sheared plates	ton	344,616	45,017,409
Plates, metal, licence, name, etc.	—	—	2,053,485
Plates and frames, addressograph	—	—	496,102
Plates, forks and spoons, paper	M	68,607	414,252
Play ground, track and field equipment	—	—	404,665
Play yards	No.	9,937	76,416
Ploughs, agricultural:			
Disc	"	1,029	463,621
Harrow ploughs, one-way discs, tiller combines	"	4,403	3,140,278
Mouldboard	"	10,582	1,560,411
Walking	"	1,032	26,022
Other	"	1,209	231,051
Ploughs, snow (included in "Snow removal equipment")	—	—	—
Plugs, wooden	—	—	405,601
Plumbers' supplies, not elsewhere specified (Brass, copper, etc.)	—	—	15,700,267
Plywood	M sq. ft.	1,257,974	89,963,210
Plywood products, n.e.s.	—	—	134,832
Poison, gopher and rat	—	—	211,869
Polish, furniture	—	—	1,234,318
Polish, metal	—	—	284,707
Polish, shoe	—	—	1,291,264
Polish, stove	—	—	34,866
Polishes and waxes, floor	—	—	14,112,880
Polishes and dressings, automobile	—	—	1,084,030
Polishes and dressings, n.s.	—	—	140,285
Polishers, floor, electric, etc. and parts	—	—	6,711,569
Polishing mitts and cloths	—	—	42,749
Popcorn including popcorn confectionery	—	—	—
Post cards, printed	lb.	4,605,513	2,261,477
Posts, steel, fence	—	—	862,067
Post hole diggers	ton	6,316	908,432
Potassium chlorate	—	—	1

* Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Potato chips, (factory made)	lb.	21,555,051	14,189,622
Potato pickers, sorters and diggers	—	—	138,848
Pot holders and oven mitts	—	—	23,170
Pot scourers	—	—	2,314,872
Pottery, glazed and unglazed	—	—	633,252
Poultry (see "Meats")	—	—	—
Powder, baking	lb.	9,367,445	2,710,656
Powder, buttermilk	"	6,708,893	558,492
Powder, custard	"	498,933	158,579
Powder, egg	"	901,206	1,245,953
Powder, food drink	—	—	—
Powder, ice cream	lb.	363,448	150,473
Powder, jelly	"	14,751,212	5,995,028
Powder, whole milk	"	31,951,994	9,450,478
Powder, malted milk	—	—	—
Powder, skim milk	lb.	101,537,777	15,554,537
Powder, pudding and pie filling	"	20,689,483	7,657,187
Powders, soft drink	"	2,058,431	1,790,603
Powder, whey	"	14,126,682	911,577
Powder, edible, n.e.s.	"	826,798	520,754
Powder, bronze, iron and aluminum	—	—	1,064,232
Powder, talcum and face	—	—	4,182,439
Power units	—	—	—
Precious metal salts	—	—	—
Presses, tennis and badminton racquet	—	—	—
Presses, hydraulic, and other power	—	—	—
Pressure cookers (included under "Kitchenware, aluminum")	—	—	2,442,588
Printing, not elsewhere specified:			
Circular letters	—	—	3,476,818
General, for trade	—	—	1,274,611
Custom printing, (Paper supplied by customer)	—	—	3,896,060
Private and personal	—	—	3,520,706
Blue prints and photostats	—	—	1,441,520
Box covers, coloured	—	—	251,272
Periodicals printed for publishers	—	—	32,083,464
Other printed matter, menus, statements, bank notes, programmes, etc. (see also "Advertising matter", "Certificates, stock, bond, etc.", "Cheques")	—	—	—
Printing and painting on textile fabrics	—	—	21,224,629
Projectors	—	—	2,091,315
Propane (included in "Gases, liquefying petroleum")	—	—	—
Propellers and shafts	—	—	—
Propyl acetate (normal)	—	—	—
Publications, subscriptions and sales (see "Printing" and "Periodicals")	—	—	—
Puddings, cakes, etc., canned and other	lb.	796,440	306,148
Puffs, powder	—	—	177,946
Pulleys, wood and other	—	—	520,230
Pulp, flax	—	—	—
Pulp, fruit (see "Fruit pulp")	—	—	—
Pulpstones, artificial	—	—	—
Pulpwood (produced in Sawmills)	cord	226,606	9,205,023
Pulp chips	—	—	23,058,598
Pulp (wood):			
Quantity made	ton	5,574,233	—
Quantity shipped	"	294,647	20,379,969
Sulphate:			
Quantity made	"	1,705,806	—
Quantity shipped	"	1,116,665	133,854,774
Sulphite, bleached:			
Quantity made	"	926,323	—
Quantity shipped	"	847,326	125,168,606
Sulphite, unbleached:			
Quantity made	"	1,812,258	—
Quantity shipped	"	404,944	46,567,502
Screenings:			
Quantity made	"	82,125	—
Quantity shipped	"	23,514	686,032
Defibrated or exploded wood:			
Quantity made for use in producing mills	"	152,679	4,310,556
Other:			
Quantity made	"	171,871	—
Quantity shipped	"	64,982	8,304,752
Pumps:			
Centrifugal	—	—	9,249,235
Cistern and pitcher	—	—	68,090
Deep well	No.	735	242,249
Rotary	"	13,341	993,712
Sump	"	26,782	1,121,092
Vacuum	"	648	386,577
Steam	"	3,253	1,875,177
Other power pumps	—	—	2,847,922
Gasoline dispensing pumps	"	11,689	4,555,614
Hand pumps	"	26,099	266,322
Household water systems, deep well and shallow well	"	55,117	4,818,451
Pump jacks	"	2,320	86,295
Pumps and pump parts n.e.s.	—	—	4,721,036
Punching machines	No.	55	100,125
Purses, pocket-books and folders	—	—	2,499,047

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Putty and fillers, n.e.s.	lb.	13,083,333	1,129,003
Pyjamas:			
Cotton and flannelette	doz.	519,734	10,900,347
Nylon.....	"	43,671	1,098,055
Rayon and rayon mixtures	"	26,311	639,926
Not specified	"	59,361	1,573,369
Pyrometers, thermocouples and accessories.....	—	—	1,400,637
Pyrotechnics	—	—	—
Quilts, bedspreads, etc.	yd.	4,043,252	2,375,926
Racquets, tennis, badminton	doz.	27,258	999,990
Radar equipment (see also "Radio communication equipment")	No.	38,777	221,205
Radiators and cores, automobile	—	—	11,253,632
Radiator and boiler compounds	—	—	6,947,969
Radiators, heating, concealed type	—	—	149,249
Radiators, heating, standing type	sq. ft.	1,016,048	617,269
Radiators and parts, heating, n.s.	"	3,692,980	2,791,111
Radio communication equipment	—	—	7,525,869
Radio sets, tubes and accessories	—	—	15,037,398
Rafters, roof trusses and beams, laminated	—	—	74,438,878
Rail anchors	—	—	5,918,785
Rails, iron or steel:			
Quantity made	ton	393,926	—
Quantity shipped	"	393,174	39,978,592
Rail frogs, switches and other track equipment	—	—	19,947,367
Rakes, hand	No.	313,585	504,088
Rayon fabrics (see "Silk and synthetic fabrics" and "Knitted fabrics")	—	—	—
Razor blades	—	—	1
Razors, safety, other than electric (see also "Shavers")	—	—	1
Recorders, time	—	—	1
Recorders, wire or tape	—	—	1
Records, phonograph	No.	17,208,098	1,109,698
Record players, electrically operated	"	283,491	8,822,201
Rectifiers for storage battery charging and parts	—	—	8,024,203
Reels for wire rope and hose	—	—	1,170,341
Refractories:			
Cement, high temperature	ton	7,374	821,442
Firebrick from domestic clay	M	5,411	537,067
Firebrick from imported clay	ton	12,366	799,558
Other	—	—	13,287,071
Refrigerators and refrigeration equipment, n.e.s.:			
Household, mechanical, complete, (electric and gas)	No.	235,539	42,429,856
Commercial, not specified	—	—	187,998
Steel cabinets for mechanical refrigerators	—	—	1
Fixtures:			
Display cases, normal temperature	No.	2,637	1,750,326
Display cases, other	"	1,686	1,166,993
Low temperature refrigerators	"	687	643,440
Reach-ins, all sizes	"	835	507,893
Walk-in coolers	"	763	963,441
Refrigerators parts	—	—	2,285,919
Refrigeration equipment n.e.s.	—	—	7,335,748
Regalia, n.e.s.	—	—	2,525,973
Registers, cash	—	—	1
Registers and grills, air	—	—	2,846,110
Regulators, (temperature, flow and pressure) and control valves	—	—	3,011,147
Remedies, stock and poultry	—	—	3,469,479
Repair gums and fabrics	lb.	858,480	732,785
Repair kits	No.	755,103	345,446
Repair patches, tire and tube	—	—	1,273,599
Resin film and resin film products	—	—	1
Ribbons	—	—	3,169,500
Rice, cleaned, etc.	—	—	7,363,059
Rifles and shot guns (see "Firearms")	—	—	—
Rings, fruit jar, rubber	lb.	822,668	510,851
Rings, fruit jar, zinc	—	—	1
Rockwool (see "Wool, mineral")	—	—	—
Rods, copper wire	—	—	1
Rods, iron and steel wire:			
Quantity made	ton	291,300	—
Quantity shipped	lb.	292,563	34,408,714
Roll covering, rubber	—	709,490	1,678,262
Rollers, land and land packers	—	—	300,383
Rollers, printers'	—	—	763,927
Rolls, rubber covered	No.	451,841	1,220,903
Rolls, bending and straightening	—	—	228,351
Roof drainage equipment	—	—	2,693,947
Roof deck (metal)	—	—	4,103,589
Roofing and siding, aluminum, steel, etc.	—	—	8,708,637
Roofing preparations, n.e.s.	—	—	1,249,913
Rope:			
Manilla	lb.	7,076,092	2,796,960
Sisal	"	4,241,970	1,217,968
Jute and hemp	"	112,848	74,141
All other	—	—	628,849
Rubber, reclaimed, dispersions and other	—	—	1
Rubber and rubber goods, hard	—	—	205,021

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Rubber coverings, linings, etc.	lb.	2,535,879	5,374,599
Rubber goods, moulded	"	5,626,627	2,663,882
Rubber goods, plumbers'	"	—	2,684,775
Rubber goods, sanitary, n.e.s.	—	—	192,655
Rubber goods, soft and sponge (including foamed latex)	—	—	10,818,734
Rubber automotive and aeroplane parts	—	—	3,836,367
Rubber and rubber goods, n.e.s.	—	—	2,485,709
Rubber master batches and mixes	—	—	1
Rubber thread	—	—	1,548,337
Rubber, synthetic	lb.	290,351,068	65,988,164
Rugs, automobile	—	—	333,149
Rules, plastic and other	—	—	72,835
Rules, wooden	—	—	735,725
Ruling (printing plants)	—	—	789,142
Runners and centres, table, etc.	—	—	151,297
Rust preventatives and removers	—	—	656,737
Saddles	No.	1,435	70,326
Saddle parts	—	—	9,742
Safes, vaults and fittings	—	—	3,463,164
Sails	No.	466	133,627
Salt	—	—	15,842,049
Salt, curing	—	—	1
Sanders (woodworking)	No.	1,663	67,204
Sandstone (building)	—	—	103,024
Sandwich relish and spread (see also "Paste, meat and chicken")	lb.	5,768,804	1,694,673
Sanitary ware	—	—	19,472,843
Sash, doors and other mill work	—	—	71,901,518
Sash, aluminum, brass, etc. (included in "Windows, complete, aluminum and other")	—	—	1
Sash balances, metal	—	—	—
Sauces, catsups and relishes (see "Tomato catsup", "Pickles, relishes, etc.")	—	—	8,331,626
Sausage casings	—	—	—
Sausage (see "Meats cooked, including sausage")	—	—	662,301
Sawdust and waste, sold	—	—	508,832
Sawing, lumber, (custom)	—	—	15,609,641
Saws, all kinds	—	—	1,077,189
Saw parts and saw benches	—	—	3,441,852
Scales	No.	100,732	2,900,595
Scarves	doz.	347,151	123,769
School supplies, not specified	—	—	1,940,644
Scientific equipment, not specified	—	—	1
Scrap, aluminum	—	—	919,596
Scrap, brass, bronze and copper	lb.	8,043,632	3,171,059
Screenings, barley, etc.	—	—	373,679
Screens, window	—	—	1
Screens, projection	—	—	1,426,128
Screens, industrial	—	—	22,393,956
Screws and screw machine products	—	—	6,703
Scufflers	No.	248	558,289
Scythes and snaths	—	—	1,553,505
Seals	—	—	463,391
Searchlights, floodlights, etc. (see "Fixtures, lighting")	—	—	995,867
Seasonings, dry and liquid	No.	2,702	—
Seed boxes for one-way discs, etc.	lb.	971,799	2,923,000
Seed treatments and fungicides	—	—	5,300,298
Shades, window, shade cloth and fittings:	—	—	1,337,396
Ordinary shades and blinds	—	—	8,245,530
Venetian blinds, all kinds, including strips	—	—	31,392
Shade cloth, rollers, etc.	—	—	1
Shakes, processed and stained (building purposes)	square	934,849	3,047,692
Shapers, metal-working	No.	8	291,734
Shapers, wood-working	—	—	52,744,086
Sharpeners, pencil	—	—	186,564
Sharpening stones and files	—	—	8,100,871
Shavers, electric	No.	290,194	244,628
Shawls	—	—	12,307,090
Shearing machines, metal working	No.	217	265,982
Sheet forms, commercial, etc., printed	—	—	209,787,085
Sheeting, cotton (included in "Cotton fabrics, broad woven")	—	—	1,236,108
Sheets, crib	doz.	21,233	259,342
Sheets and pillow cases, cotton	—	—	288,624
Sheets and sheeting, plastic, rubber and waterproofed	—	—	89,678
Sheet metal building materials, n.e.s.	—	—	1,494,955
Sheet metal products, n.e.s.	—	—	14,503,161
Sheets, aluminum	—	—	206,666,477
Sheets and strips, silicon	—	—	—
Sheets, hoops, strips, skelp (iron and steel, rolled and drawn) and tin plate galvanized sheets, etc.	—	—	—
Shellac	—	—	—
Shields, dress	doz. pr.	88,912	—
Shims, railroad and other	—	—	—
Shingle bands	M	9,121	—
Shingles, asbestos	—	—	—
Shingles, wooden	square	1,682,668	—
Shipbuilding and repairs	—	—	—
Shirts, fine, men's, youths' and boys':	—	—	—
Cotton	doz.	740,864	19,588,302
Rayon and nylon	"	84,566	3,044,605
Not specified	"	2,373	133,744

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Shirts for formal wear.....	—	—	1
Shirts, work, men's, youths' and boys':			
Cotton.....	doz.	369,136	6,616,604
Wool and wool mixtures.....	"	28,348	822,013
Shirts, sport, men's, youths' and boys'.....	"	654,132	19,868,133
Shirts, T-Shirts.....	"	774,882	7,829,983
Shirts, sweat, jerseys, etc.....	"	129,532	1,700,321
Shirts, not specified.....	"	72,798	981,010
Shock absorbers, automobile.....	—	—	1
Shoddy, mungo and wool extract (see "Wool or part wool, reworked or reprocessed")			
Shoe materials, pyroxylin coated (included in "Fabrics, coated and impregnated")			
Shoe trimmings.....	—	—	335,772
Shoe uppers and tops.....	pr.	77,984	210,882
Shoos, box.....	M ft. b.m.	59,764	6,663,148
Shortening:			
Containing animal fat and marine oil.....	lb.	99,692,373	22,997,187
Wholly vegetable.....	"	63,347,099	15,976,664
Shorts and middlings.....	ton	362,280	15,824,846
Shovels, hand.....	—	—	131,841
Shovels, power.....	—	—	1
Shuttlecocks, badminton.....	—	—	1
Signal systems (traffic, fire alarms, etc.).....	—	—	2,996,433
Signs, electric:			
Neon and other luminous tube:			
Shipments (sold outright).....	—	—	4,726,219
" (leased or rented).....	—	—	3,728,834
Other electric:			
Shipments (sold outright).....	—	—	1,389,116
" (leased or rented).....	—	—	126,931
Signs, non-electric:			
Metal (sold outright).....	—	—	3,295,555
Screen processed, other than metal (sold outright).....	—	—	1,113,689
Other non-electric:			
Shipments (sold outright).....	—	—	2,571,131
" (leased or rented).....	—	—	94,598
Silica alumina sel.....	—	—	1
Silicon carbide, crude.....	ton	83,321	11,828,856
Silicon manganese, silico spiegel, etc. (included in "Ferro-alloys")			
Silk and synthetic fabrics, broadwoven:			
All silk and mixtures containing silk.....	yd.	210,024	204,503
All continuous filament synthetic yarn:			
Rayon (see also "Knitted fabrics").....	"	40,363,184	22,508,094
Nylon (see also "Knitted fabrics").....	"	5,441,778	3,784,554
Other.....	"	3,866,490	3,224,891
All spun rayon.....	"	14,495,475	10,449,562
Mixtures of continuous filament rayon and spun rayon.....	"	5,951,371	5,810,913
Mixtures of continuous filament rayon and cotton.....	"	7,586,799	5,998,170
Mixtures of spun rayon and cotton.....	"	1,414,897	1,321,085
Mixtures of rayon and wool.....	"	82,867	92,773
Other synthetic mixtures.....	"	4,748,766	5,285,083
Silos.....	—	—	100,048
Silver (remelted for resale, recovered from old silver and alloys).....	—	—	4,687,640
Size.....	lb.	23,859,452	1,861,944
Skates, ice.....	pr.	1,370,887	2,265,152
Skates, roller.....	—	53,542	141,016
Skates, not specified, and skate equipment.....	—	—	7,348
Skewers.....	M	35,308	105,924
Skis, including water skis.....	pr.	110,891	414,320
Ski poles and fittings.....	—	—	325,929
Skins, calf.....	No.	753,312	2,906,025
Skins, sheep.....	—	—	1,885,066
Skins, pickled.....	No.	605,124	406,422
Skins, dressed (excluding raw).....	—	—	1,447,023
Skips and cages (mining and metallurgical).....	—	—	717,761
Skirts:			
Cotton.....	No.	1,879,694	5,122,892
Rayon.....	"	551,840	1,722,531
Rayon mixtures.....	"	659,786	1,652,639
Woolen.....	"	2,620,462	14,835,098
Other.....	"	106,993	530,250
Slabs and edgings.....	cd.	481,281	2,000,015
Sleighs, baby.....	No.	15,728	57,153
Sleighs, childrens'.....	"	175,128	445,681
Sleighs, horse-drawn, etc. (see also "Vehicles, farm sleighs, etc.").....	"	171	13,021
Slicers, meat and bread.....	—	—	130,154
Slippers: (see also "Footwear, felt"):			
Babies'.....	pr.	216,759	233,598
Boys'.....	"	71,870	119,253
Children's, including little gents'.....	"	290,990	415,619
Men's.....	"	903,599	2,161,585
Misses'.....	"	144,695	236,425
Women's and growing girls'.....	"	1,523,481	3,037,018
Youths'.....	"	37,266	63,850
Slippers, Indian:			
Babies'.....	"	21,237	19,161
Boys'.....	"	88,424	112,442
Children's, including little gents'.....	"	274,833	245,541
Men's.....	"	217,936	414,743

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Slippers, Indian—Concluded:			
Misses ¹			
Women's and growing girls ¹	pr.	413,733	404,216
Youths ¹	"	1,563,631	1,785,480
Slippers, not specified	"	3,908	8,033
Smelter and refinery products ¹	"	—	463,061
Smocks, women's and misses ¹	"	—	1,280,145,652
Smoke breeching	doz.	5,728	210,076
Smoker sets and smokers' supplies, n.e.s.	"	—	371,160
Smokestacks, steel	"	—	583,247
Snaths, scythe (included with scythes)	"	—	505,067
Snow shoes	"	—	40,220
Snowmobiles and parts	"	—	1
Snow removal equipment	"	—	3,255,717
Soap:			
Castile	lb.	548,171	104,157
Household and laundry (Bars)	"	15,263,183	2,507,595
Household and laundry (Chips and flakes)	"	18,498,197	3,047,476
Liquid, not specified	"	—	2,070,994
Powder	lb.	43,767,443	9,186,954
Soft	"	2,723,601	310,566
Textile and mill	"	366,387	55,395
Toilet (bars and liquid)	"	40,421,585	13,662,304
Shaving, including shaving creams	"	1,760,220	2,211,385
Hand soap and pastes, mechanics ¹	"	3,116,944	513,955
Soap, not specified	"	—	662,538
Soap stock	lb.	5,327,282	125,076
Sodium azide	"	—	1
Sodium benzoate	"	—	1
Sodium carbonate	"	—	1
Sodium carboxymethyl cellulose	"	—	1
Sodium chlorate	"	—	1
Sodium cyanide	"	—	1
Sodium hydroxide	"	—	1
Sodium hydrosulphide	"	—	11,398,429
Sodium hypochlorite	"	—	1
Sodium metabisulphite	"	—	1
Sodium metaphosphate	"	—	1
Sodium metasilicate	"	—	1
Sodium phosphate, monosodium, disodium, trisodium and tetrasodium	"	—	1
Sodium pyrophosphate	"	—	1
Sodium silicate	"	—	1
Sodium sulphate and sulphite	"	—	1
Sodium sulphamethazin	"	—	1
Sodium thiosulphite	"	—	1
Sodium tripolyphosphate	"	—	1
Solder	lb.	11,994,225	5,890,322
Soling, rubber:			
Rubber and composition soles	pr.	5,881,540	2,124,724
Soling and slabs for heels, rubber and composition	lb.	13,370,501	4,649,218
Soles, tap and other, leather	pr.	3,937,260	2,068,648
Soles, felt and other (insoles)	"	—	979,469
Soup, canned (excluding infants' soups)	lb.	265,349,422	43,366,421
Soup mix	"	10,047,298	8,175,049
Soup filler or cracker meal	"	2,194,494	215,606
Spades and shovels	No.	759,564	1,660,699
Spark plugs	"	30,846,665	8,896,504
Spectacles, complete	pr.	151,215	1,104,069
Speed reducer units	No.	477,636	3,655,598
Spice compound	lb.	477,027	275,547
Spices, mixed, whole or ground	"	4,460,043	3,792,096
Spikes, railway	ton	12,358	2,293,294
Spikes, other	"	—	61,471
Spinning, custom	"	—	2,042,189
Spinnings, metal, etc.	"	—	45,026
Spirits, produced during the year but placed in bond for maturing:			
Neutral spirits, grain	pf. gal.	22,715,289	15,429,319
Neutral spirits, molasses and fruit	"	1,031,899	659,003
Spirits, beverage, sold outside the Distilling Industry:			
Whiskey, Highland type	"	123,191	937,470
Canadian, rye type	"	11,951,225	98,789,173
Whiskey, other types	"	16,580	113,089
Gin	"	1,309,498	8,301,889
Brandy	"	57,864	522,077
Rum	"	647,867	4,750,273
Other beverage spirits	"	438,572	2,820,990
Sponges, cellulose	"	—	1
Spools, bobbins and shuttles	"	—	1,367,841
Sport gloves and mitts	"	—	1,481,193
Sporting goods, not specified	"	—	972,293
Spraying and dusting machines and equipment, including hand sprayers	"	—	1,135,095
Springs, automobile chassis	"	—	10,205,620
Springs, bed:			
Box	No.	221,778	5,531,057
Coil	"	9,253	63,483
Cable	"	80,762	563,312
Link	"	77,776	1,003,569
Slat	"	275,784	2,357,795
Springs (upholstering and constructions for automobiles and trucks)	"	—	1
Springs, upholstering, other	"	—	4,404,168

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Springs, for cars and locomotives	—	—	1,740,566
Springs, n.e.s.	—	—	4,186,880
Squares, sawn, (spoolwood and other)	—	—	1,758,397
Stabilizers, ice cream, etc.	lb.	125,279	69,502
Stains	gal.	413,183	1,082,259
Stampings, metal, n.e.s.	—	—	10,256,011
Stamps, postage, revenue, etc.	—	—	1,442,489
Stamps, rubber	—	—	1,575,694
Stamps, not specified	—	—	225,988
Staples, wire	keg	21,719	251,554
Starch, corn, edible	—	—	1
Starch, corn, laundry	—	—	1
Starch and flour, potato	ton	4,524	550,961
Starch, blended (included in "Starch and starch products")	—	—	—
Starch and starch products	—	—	2,065,511
Stationery goods, not specified	—	—	1,282,671
Statues, art goods and church supplies	—	—	1,294,030
Staves, barrel	—	—	949,606
Steam	—	—	1
Steam traps, etc.	—	—	2,089,250
Stearine	lb.	1,480,410	195,073
Steel erected (structural work):			
Bridges	ton	68,911	27,736,602
Buildings	"	357,548	125,081,539
Transmission towers	"	32,634	10,190,947
Other	"	47,255	18,089,782
Steel shapes, structural (angles, channels, tees, etc.):			
Quantity made	"	350,518	—
Quantity shipped	"	344,800	45,319,794
Steel and alloy steel ingots:			
Quantity made	"	4,931,410	—
Quantity shipped	"	55,639	6,225,773
Steel, miscellaneous	—	—	34,043,954
Steel wool	—	—	1
Stellite	—	—	1
Stencils	—	—	1
Stockinette (see "Knitted Fabrics")	—	—	—
Stokers, mechanical	No.	1,239	1,104,063
Stoker parts	—	—	992,638
Stone, artificial	—	—	4,767,642
Store fixtures, n.e.s.	—	—	152,837
Stoves, heating and cooking:			
Coal, wood and sawdust	No.	59,411	2,746,113
Solid fuel or oil with electric or gas combination	"	16,350	3,722,754
Electric stoves or ranges, all styles	"	194,149	30,336,566
Electric rangettes	"	21,129	891,876
Gasoline, fuel oil, or kerosene stoves or ranges, (cooking)	"	100,399	2,126,150
Gasoline, fuel oil or kerosene stoves or space-heaters (heating)	"	68,834	3,472,616
Gas stoves (heating)	"	10,499	386,157
Gas stoves and ranges (cooking)	"	35,077	4,489,456
Gas cooking plates, no oven	"	16,817	116,157
Other stoves and parts including cafeteria, restaurant, etc.	—	—	3,036,724
Stove pipes (see "Pipes and elbows, stove")	—	—	—
Straps, leather	doz.	100,097	308,645
Straws, drinking	M	723,126	413,955
Streptomycin (included in "Antibiotics")	—	—	1
Styrene	—	—	—
Sugar butter	lb.	3,202,440	678,269
Sugar granulated:			
Beef	"	1,067,341,037	102,800,607
Cane	"	231,319,911	23,193,729
Sugar, brown or yellow	"	124,922,990	12,748,253
Sugar, icing (starch added)	"	73,117,199	8,111,321
Sugar, invert	"	9,544,626	871,119
Sugar, loaf	"	12,774,381	1,841,197
Sugar of milk	—	—	1
Sugar, pulverized (no starch added)	lb.	8,539,762	883,530
Suits: (see also "Clothing, suits, sport")			
Boys':			
Rayon	No.	123,034	1,244,421
Rayon and wool, chiefly rayon	"	37,450	415,190
Rayon and wool, chiefly wool	"	41,878	458,547
Wool	"	10,504	153,998
Other	"	497	4,335
Children's:			
Cotton	"	52,646	150,858
Rayon and mixtures	"	21,317	123,287
Wool and partly wool	"	55,606	548,505
Playsuits and wash suits, n.s.	doz.	160,916	2,427,032
Other	No.	59,598	123,115
Men's and youths':			
Rayon	"	125,646	2,386,867
Rayon and wool, chiefly rayon	"	192,201	3,647,025
Rayon and wool, chiefly wool	"	80,353	2,263,308
Wool	"	1,294,666	50,811,786
Not specified	"	4,722	135,689
Women's and misses':			
Cotton	"	12,244	127,360
Rayon and rayon mixtures	"	94,264	1,417,522
Wool and partly wool	"	480,940	12,792,436
Not specified	"	24,048	593,821

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Suits and dresses, women's and children's, knitted (see "Dresses, wool, knitted")			
Suits, uniform:			
Men's and youths':			
Military	No.	22,516	804,405
Non-military	"	211,486	4,878,750
Sulphonamide (sulpha) preparations	"	"	2,388,362
Sulphur	"	"	1
Sulphur dioxide, liquid	"	"	1
Superheaters	"	"	1
Superphosphate milled, screened and bagged	ton	11,467	447,746
Superphosphate, other (included in "Fertilizers, other than mixed")			
Surgical and orthopaedic appliances and surgical dressings:			
Surgical bandages and dressings	"	"	5,105,734
Surgical belts	"	"	229,075
Surgical stockings, elastic	No.	52,467	607,901
Orthopaedic boots	"	"	1
Orthopaedic corsets	pr.	17,192	114,808
Artificial limbs	No.	2,445	330,855
Foot easers, arch supports, knee caps, etc.	"	"	194,306
Trusses	No.	44,488	203,668
Other surgical supports	"	"	972,366
Surgical instruments and orthopaedic appliances, not specified	"	"	177,631
Suspenders, supporters and garters	doz.	425,446	1,214,482
Swathers	No.	8,744	10,073,542
Sweaters, jackets, etc.	doz.	1,402,273	40,691,856
Sweeping compounds	"	"	956,434
Switch gear and protective equipment (except telephone switch-boards)	"	"	67,998,237
Synthetics and plastics products, n.e.s. (See also, "Laminates, plastic, etc.")	"	"	80,673,222
Syringes, fountain and attachments	"	"	119,053
Syrup, beverage	gal.	707,977	1,707,539
Syrup, corn	"	"	1
Syrup, fountain, fruit, etc.	"	"	1,005,717
Syrup, table	"	"	914,919
Syrups from cane, not including molasses	"	"	1
Syrups for soft drinks (for sale)	gal.	5,648,796	10,336,964
Syrup making equipment (maple)	"	"	520,638
Syrups, other	"	"	683,308
Table cloths and napkins (fabric)	"	"	396,182
Table cloths, plastic, rubber, etc.	doz.	53,820	385,777
Tableware, plastic	"	"	1,926,385
Tableware, pottery	"	"	2,346,735
Tacks, cut, wire	"	"	946,769
Tags and labels, shipping	"	"	20,664,055
Tags and tickets, price	"	"	3,209,959
Tailors' supplies, n.e.s.	"	"	2,835,633
Tallow	"	"	12,202,457
Tank house products	lb.	37,267,328	1,440,033
Tankage, animal	ton	32,229	2,110,738
Tank jackets	"	"	210,540
Tanks, steel, storage, black, galvanized, etc.	"	"	21,626,492
Tanks, pressure, n.e.s.	"	"	6,556,974
Tanks, steel, pneumatic	"	"	479,142
Tanks, steel, septic	"	"	827,858
Tanks, other, not specified	"	"	6,373,108
Tape, adhesive	"	"	1
Tape, rubber and friction	lb.	2,292,337	2,294,529
Tape, paper, gummed	"	"	5,140,883
Tape, pressure, sensitive	"	"	5,376,725
Tape, telegraph and ticker	"	"	525,157
Tapes, fabric	"	"	3,161,208
Tapes and rulers, measuring, steel, etc.	"	"	1
Tapestries and other upholstering fabrics	"	"	7,500,879
Tapioca	"	"	1
Tar, coal, crude	gal.	46,260,019	6,126,621
Tar, refined	"	2,346,469	672,733
Targets, aerial, etc.	lb.	10,284	130,671
Tea, blended, etc.	M	40,446,363	46,663,365
Telecommunication equipment, n.e.s.	"	"	9,779,645
Telephone material	"	"	85,408,021
Television receiving sets and equipment	"	"	69,747,197
Television picture tubes	"	"	1
Tennis table equipment, n.e.s.	"	"	140,957
Tenoners, wood-working	No.	27	33,509
Tents	"	"	2,965,993
Textile and leather specialties, n.e.s.	"	"	3,806,407
Thermometers, all kinds	"	"	746,031
Thickeners, mining and metallurgical	"	"	1,520,144
Thinners, pyroxylin	gal.	2,464,043	3,640,569
Thiourea	"	"	11,120,080
Thread, cotton	"	"	1,428,493
Thread, rayon, silk, etc.	"	"	1,103,7
Threading machines (metal working)	"	"	35,230,112
Threshers, and combine reaper-threshers and attachments	"	"	12,980,075
Ties, wooden	sq. ft.	15,727,637	1,646,794
Tile, acoustic	"	20,394,669	2,586,138
Tile, asphalt	"	"	1
Tile, gypsum	"	"	1
Tile, haydite (included under Building blocks, etc.)	"	"	1
Tile, linoleum	"	"	1
Tile, plastic, all kinds	sq. ft.	9,787,205	3,020,655
Tile, vinyl asbestos, floor	"	28,768,404	5,160,747

1 Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Tile from domestic clay:			
Drain	M	51,990	2,983,953
Floor	sq. ft.	153,081	67,092
Tile from imported clay:			
Floor	—	—	1
Wall	—	—	1
Tile, rubber	sq. ft.	7,788,265	2,099,419
Tile, hollow blocks including fire-proofing and load-bearing tile	ton	183,558	3,575,748
Tile, not specified	—	—	387,302
Tile board, enamelled	—	—	1
Timers, interval	—	—	1
Tin	lb.	75,531	73,081
Tin plate (included with "Sheets, strips, etc.")	—	—	—
Tinned plate scrap	ton	30,294	939,539
Tinware, japanned or not	—	—	1,403,250
Tire braids, auto	—	—	—
Tire fabrics	lb.	27,869,198	24,520,171
Tires and tubes:			
Ballon, casings	No.	7,578,620	149,935,736
Ballon and high pressure inner tubes	"	3,450,727	8,449,138
Aeroplane tires	"	8,744	384,294
Aeroplane tubes	"	7,857	61,079
Bicycles tires	"	370,058	412,900
Bicycle tubes	—	—	1
Implement and tractor tires	No.	248,072	6,300,648
Industrial tires	"	88,120	676,117
Industrial tubes	—	—	1
Motorcycle tires	No.	5,235	84,156
Other rubber tires, n.e.s.	—	—	221,014
Tires, railway car	—	—	1
Tissues, cleansing, paper	lb.	55,223,340	13,490,550
Toasters, electric	No.	324,331	2,953,972
Tobacco ¹			
Chewing, cut and twist	lb.	112,196	277,677
Chewing, plug	—	—	938,338
Smoking, leaf	"	56,767	2,332,181
Smoking, cut	"	20,606,412	35,701
Smoking, plug	"	73,426	51,569,841
Snuff	"	798,003	184,721
Tobacco, raw leaf, processed*	"	109,737,052	2,065,202
Tobacco curing equipment	—	—	66,939,792
Tobacco pouches	No.	56,838	306,294
Toboggans	"	214,733	27,641
Toilet preparations, n.e.s.:			
Bath salts and bath oils	—	—	893,395
Creams solid or liquid, all kinds	—	—	1,332,156
Home permanent wave kits	—	—	4,515,403
Rouge and lipsticks	—	—	3,639,460
Shampoos and hair rinses	—	—	3,538,205
Bay rum, hair tonics, brillantine liquid, etc.	—	—	5,440,632
Toilet water and lotions	—	—	7,499,198
All other	—	—	6,926,402
Toilet seats	No.	513,202	10,552,084
Toiletware, sterling silver	—	—	1,719,582
Toiletware and dresserware, n.e.s.	—	—	1
Toluene and toluiol*	—	—	177,269
Tomato catsup, canned	lb.	1,139,469	838,927
Tomato catsup, other	"	42,065,141	206,880
Tomato juice	"	125,561,625	9,497,307
Tomato paste and puree	—	—	9,814,143
Tomato pulp	lb.	5,130,621	454,750
Tools, carpenters' and mechanics' other than portable pneumatic and electric tools	—	—	4,622,085
Tools, machine, n.e.s.	—	—	5,617,622
Tools, small, cutting	—	—	5,861,183
Tools, n.e.s.	—	—	5,170,739
Toothpicks	—	—	1
Toppings for ice cream and cake	—	—	1,811,127
Towelling (included in "Cotton fabrics, broad woven")	—	—	—
Towels, all kinds	—	—	5,934,240
Towels, paper	—	—	4,649,225
Toys:			
Metal	—	—	1,536,109
Plastic, including wading pools	—	—	6,214,942
Rubber	—	—	325,262
Wooden	—	—	779,642
Miscellaneous, including model aeroplanes	—	—	3,495,913
Tractors	—	—	9,364,970
Trade work, n.e.s. (printing plant)	—	—	5,014,418
Trailers:			
Cabin or house type	No.	3,692	12,861,234
Commercial (except logging and van)	—	—	16,327,013
Logging	—	—	1,152,745
Not specified	—	—	249,300
Transfers, paper, decalomania	—	—	1,955,678
Transfers, paper, dry	—	—	137,044
Transformers	—	—	77,863,740
Transformer parts	—	—	2,701,724
Transmission towers, electric (see "Steel erected")	—	—	—
Traps and fittings, lead	lb.	1,324,208	726,816
Traps, mouse and rat, etc.	—	—	1

¹ Indicates that the commodity was reported by one or two concerns.² Includes excise duties and sales tax.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Trays, food.....	—	—	985,096
Trichlorethylene, refined.....	—	—	¹
Trimmings, not specified.....	—	—	1,015,868
Trophies.....	—	—	726,134
Trucks, factory and other hand trucks.....	—	—	1,690,567
Trucks, other, including lift trucks.....	—	—	3,632,517
Trunks, all kinds.....	No.	144,862	1,458,556
Tubes, collapsible.....	—	—	707,317
Tubes, n.e.s., including electron.....	—	—	6,609,551
Tubing, brass, bronze and aluminum.....	—	—	¹
Tubing, neon.....	—	—	1,949,027
Tubing, plastic.....	—	—	400,774
Tubing, rubber.....	lb.	323,521	¹
Tubing, steel.....	—	—	1,106,450
Tubing and twisting, knitted.....	lb.	975,652	743,913
Tubs, laundry, cement.....	No.	65,471	17,473,892
Turbines and water wheels.....	—	—	192,754
Turpentine.....	gal.	613,434	—
Twine and cordage:			
Baler twine, all sisal.....	lb.	41,452,095	5,701,709
Binder twine, all sisal.....	—	19,955,535	2,793,997
Other twine, all sisal.....	—	4,359,676	1,027,210
Other twine, all hemp and all flax.....	—	166,969	125,768
Other twine, all jute.....	—	2,634,248	755,162
Other twine and cordage, not specified.....	—	—	3,948,314
Type and type metal.....	—	—	2,698,302
Typesetting (trade composition).....	—	—	8,230,452
Typewriters.....	No.	111,969	15,197,405
Typewriter and other machine ribbons.....	—	—	2,565,853
Umbrellas.....	doz.	44,419	1,032,315
Undertakers' supplies (see "Morticians' goods")	—	—	—
Underwear, knitted, or of knitted fabrics:			
Men's and youths':			
Combinations:			
Cotton or chiefly cotton.....	doz.	195,999	4,655,600
Wool or chiefly wool.....	—	29,921	1,558,977
Other.....	—	966	17,992
Shirts:			
Cotton or chiefly cotton.....	—	500,366	3,771,034
Wool or chiefly wool.....	—	17,204	463,490
Drawers:			
Cotton or chiefly cotton.....	—	169,275	2,252,788
Wool or chiefly wool.....	—	12,801	407,784
Shorts:			
Cotton or chiefly cotton.....	—	720,133	4,044,608
Other.....	—	5,263	65,200
Boys':			
Combinations:			
Cotton or chiefly cotton.....	—	64,972	1,061,390
Wool or chiefly wool.....	—	—	¹
Shirts:			
Cotton or chiefly cotton.....	doz.	139,129	655,935
Drawers:			
Cotton or chiefly cotton.....	—	78,995	636,213
Not specified.....	—	—	457
Shorts:			
Cotton or chiefly cotton.....	doz.	195,172	735,123
Not specified.....	—	100	1,116
Women's and Misses':			
Combinations:			
All kinds.....	—	7,495	150,704
Drawers:			
All kinds.....	—	33,718	138,645
Bloomers, panties, etc.:			
Cotton or chiefly cotton.....	—	453,267	2,027,050
Nylon.....	—	190,423	1,404,622
Rayon or chiefly rayon.....	—	1,277,352	5,146,928
Wool or chiefly wool.....	—	—	¹
Not specified.....	doz.	5,060	104,032
Vests:			
Cotton or chiefly cotton.....	—	111,697	654,431
Other.....	—	23,365	342,386
Not specified.....	—	15,378	149,978
Girls':			
Combinations:			
Not specified.....	—	461	6,075
Bloomers, panties, etc.:			
Cotton or chiefly cotton.....	—	151,946	579,582
Rayon or chiefly rayon.....	—	15,262	55,955
Not specified.....	—	7,593	51,398
Drawers:			
Not specified.....	—	2,249	13,102
Vests:			
Cotton or chiefly cotton.....	—	65,973	313,466
Not specified.....	—	1,093	11,853
Children's and infants':			
Combinations:			
All kinds.....	—	13,407	188,493

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Underwear, knitted or of knitted fabrics—Concluded:			
Children's and infants'—Concluded:			
Drawers, bloomers and panties:			
Cotton or chiefly cotton	doz.	547,096	1,398,252
Nylon or chiefly nylon	"	9,593	47,207
Rayon or chiefly rayon	"	185,908	504,295
Not specified	"	75,995	132,462
Vests:			
Cotton or chiefly cotton	"	196,713	886,606
Not specified	"	1,218	11,608
Underwear, woven fabrics:			
Men's and youths':			
Shorts:			
Cotton	"	110,613	973,950
Other	"	19,497	133,790
Women's and misses':			
Bloomers, panties, etc.:			
Nylon or chiefly nylon	"	6,381	59,237
Other	"	5,483	39,616
Children's:			
Bloomers, panties, etc.:			
All kinds	"	20,442	75,313
Not specified	"	5,738	61,929
Underwear, not specified:			
Children's	—	—	67,230
Men's and boys'	—	—	93,668
Not specified	—	—	99,492
Undershirts:			
Rayon and rayon mixtures	doz.	240,726	3,982,996
Cotton	"	258,202	4,091,813
Nylon	"	403,383	8,465,286
Not specified	"	80,122	1,806,859
Uniforms, (nurses', maids', etc.)	—	—	3,015,750
Uniforms, military (see "Jackets", "Pants" and "Suits")	—	—	1
Uniforms, other (see also "Pants, uniforms" and "Suits, uniform")	—	—	1
Upholstering materials (cotton tufts) see also "Tapestries")	—	—	1
Valves, brass and bronze	—	—	6,743,598
Valves, corporation, brass	—	—	1,536,097
Valves, iron	—	—	11,069,574
Valves, steel	—	—	5,744,995
Valves, tire	—	—	1
Valves, not specified	—	—	4,051,503
Varnishes	—	—	10,149,919
Vaults, burial, cement and other	No.	7,629	441,108
Vegetable salad	lb.	122,088	47,411
Vegetables canned:			
Asparagus	"	4,786,746	1,536,116
Beans, baked	"	100,635,145	12,633,427
Beans, green or wax	"	60,176,237	7,616,482
Beans, kidney	"	2,374,298	255,184
Beans, lima	"	1,741,185	257,423
Beets	"	14,464,153	1,538,492
Carrots	"	5,786,238	405,636
Corn, cream of, whole grain, etc.	"	7,712,318	1,064,113
Mushrooms	"	77,292,318	10,262,539
Peas	"	3,056,631	1,689,440
Potatoes	"	115,328,279	14,175,858
Pumpkin and squash	"	2,225,229	295,657
Spinach	"	6,771,315	560,002
Sauerkraut	—	—	1
Tomatoes	lb.	62,067,566	6,187,353
Vegetables, mixed	"	13,196,559	1,318,928
Vegetables, other	"	2,604,231	397,464
Vegetables, evaporated and dehydrated	"	210,624	149,624
Vegetables in brine	"	359,074	78,402
Vegetables, frozen or cold pack	"	39,625,498	6,683,371
Vegetables, in SO ₂	—	—	1
Vegetables, not specified	—	—	1
Vegetable juices, canned	—	—	383,278
Vegetable peelers and slicers	—	—	1
Vehicles, children's:			
Tricycles	No.	167,052	1,599,642
Other	"	144,733	889,331
Parts	—	—	9,639
Vehicles (farm sleighs, wagons, trucks, etc.) (see also "Sleighs")	—	—	342,383
Veils and veiling	—	—	118,538
Veneer	M sq. ft.	1,034,303	18,554,457
Veneer logs	M ft. b.m.	6,435	1,029,245
Ventilators	—	—	2,659,572
Veneculate	—	—	1,655,474
Vestments	—	—	686,019
Vests, woollen (outerwear)	No.	8,500	40,731
Vests, other, (outerwear)	"	14,767	31,696
Vinegar made for own use	Imp. gal.	891,333	—
Vinegar made for sale:			
Spirit	"	8,919,067	3,661,301
Cider	"	663,274	326,065
Malt	"	336,738	165,281
Vinyl chloride monomer	—	—	1

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Vinyl acetate.....	—	—	¹
Vitamin preparations.....	—	—	—
Waffle irons.....	—	—	18,561,290
Wagons (see "Vehicles, farm sleighs, wagons and trucks")	No.	44,159	418,973
Wall board, asbestos cement	} see "Building boards"	—	—
Wall board, gypsum			
Wall board, paper			
Wall covering, other than tile.....	—	—	¹
Wall plaster, gypsum.....	ton	269,996	6,197,797
Wall plaster, other.....	"	2,747	514,740
Wardrobes, wall board.....	No.	44,540	294,114
Wash boards.....	—	—	¹
Washers, leather.....	doz.	5,755,528	267,778
Washers and gaskets, iron, steel, etc.	—	—	6,124,417
Washing compounds.....	—	—	1,529,364
Waste, cotton and wool.....	—	—	4,168,709
Waste, wood.....	—	—	559,603
Waste, other, not specified.....	—	—	4,689,248
Watches, assembled.....	No.	1,142,941	10,656,116
Watch cases, etc.....	—	—	1,331,050
Water distilled.....	gal.	112,819	30,380
Water, mineral, natural.....	"	739,745	166,587
Waterproofing of fabrics.....	—	—	301,464
Waterproofing preparations.....	—	—	177,418
Wax, floor (see "Polishes and waxes")	—	—	—
Wax and wax compounds, all kinds.....	—	—	5,130,172
Wax, sealing.....	—	—	25,704
Waxers and wax applicators.....	—	—	209,063
Weatherstrip.....	—	—	2,335,311
Weaving, custom.....	—	—	1,474,944
Webbing, elastic.....	—	—	2,980,226
Webbing, other.....	—	—	988,151
Weeders.....	No.	1,995	430,661
Weed killer.....	—	—	2,915,774
Welding apparatus, arc.....	—	—	3,881,502
Welding apparatus, gas and other.....	—	—	1,179,723
Welding compounds and fluxes.....	—	—	22,925
Welding electrodes.....	—	—	7,675,440
Welding.....	—	—	967,198
Wet machine boards.....	ton	8,017	1,438,521
Wheelbarrows and parts.....	—	—	¹ 982,418
Wheels, automobile.....	—	—	—
Wheels, railway car.....	—	—	5,864,632
Wheels, not specified.....	—	—	88,504
Whey condensed, etc.....	lb.	24,524,983	143,442
Whiskies (see "Spirits")	—	—	—
Whisks.....	doz.	37,754	145,613
Windows, complete, aluminum and other.....	—	—	33,233,276
Window sash, aluminum, etc.....	—	—	¹ 1,201,057
Wine cocktails.....	—	—	—
Wine sold during the year.....	Imp. gal.	5,625,244	14,963,603
Wine produced and placed in storage for maturing.....	—	5,403,508	¹ 3,589,108
Wine, spirits.....	—	—	—
Wine, not specified.....	—	—	55,674
Wiping cloths and rags, washed and sterilized.....	lb.	13,921,127	3,368,757
Wiping cloths and rags, other.....	—	—	1,800,597
Wire, gold filled and alloys.....	—	—	452,715
Wire, steel:	—	—	—
Barbed:	—	—	—
Quantity made.....	ton	4,211	—
Quantity shipped.....	"	4,443	806,212
Cold rolled flat, all sizes:	—	—	—
Quantity made.....	"	1,753	—
Quantity shipped.....	"	1,023	356,475
Galvanized:	—	—	—
Quantity made.....	"	54,621	—
Quantity shipped.....	"	29,570	7,581,381
Plain:	—	—	—
Quantity made.....	"	290,881	—
Quantity shipped.....	"	127,029	23,541,071
Strand, twisted:	—	—	—
Quantity shipped.....	"	7,160	2,506,728
Other, coated:	—	—	—
Quantity made.....	"	1,730	—
Quantity shipped.....	"	1,958	614,170
Wire and cable, electrical.....	—	—	153,845,828
Wire rope and cable, n.e.s.....	—	—	19,216,976
Wire cloth, all metals, including screen cloth.....	—	—	14,911,426
Wire mesh, steel, woven or welded.....	ton	24,060	4,880,149
Wire netting.....	"	1,304	361,825
Wire and wire goods, n.e.s.....	—	—	10,605,902
Wiring devices, not elsewhere specified.....	—	—	16,690,586
Wooden products, n.e.s.....	—	—	5,400,606
Wood flour.....	—	—	¹
Woodenware, kitchen.....	—	—	123,576
Woodenware, not specified.....	—	—	776,605
Wood preservation.....	—	—	¹
Wood preservatives.....	—	—	641,338

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Wood turning, n.s.	—	—	2,611,571
Woodwork, sanitary	—	—	184,094
Woodwork, n.e.s.	—	—	487,658
Wool, mineral (building)	—	—	10,681,395
Wool, mineral, (industrial)	—	—	4,361,673
Wool pulled	—	—	1
Wool tops	—	—	1
Wool noils	—	—	1
Wool or part wool, reworked or reprocessed	lb.	78,044	34,565
Woolen cloth, woven:	—	11,427,529	3,142,249
Suitsings, dress goods, overcoatings, etc.:	—	—	—
All wool, woollen	sq. yd.	12,051,663	18,257,409
All wool, worsted	—	7,055,975	15,652,450
Woolen and worsted, mixed	—	270,627	439,923
Cotton warp, woollen and worsted	—	338,510	497,599
Other woollen and mixtures	—	8,910,514	12,081,698
Woven terry goods (fabric)	—	—	1
Other woven fabrics, wool or not containing wool	—	—	728,501
Woven goods, (not fabric)	—	—	135,923
Wrappers, waxed (see "Paper, waxed")	—	—	1,682,041
Wrappers, paper, other than waxed (see also "Boxes, paper, corrugated")	—	—	8,203,204
Wrappers, printed	—	—	1
Wringers, clothes	—	—	1
Xanthates	—	—	1
Xylo	—	—	—
Yarns, spun for sale:	Imp. gal.	665,335	264,489
Cotton:	—	—	—
Grey, knitting	lb.	15,296,220	11,895,132
Grey, other, singles	—	11,777,820	7,204,997
Grey, other, plied	—	9,278,935	6,448,816
Bleached, knitting	—	569,033	568,327
Bleached, other	—	195,124	192,574
Coloured, knitting	—	1,525,860	1,345,316
Coloured, other	—	1,379,522	1,290,998
Other, including mercerized	—	2,396,321	2,253,056
Cotton and wool mixed:	—	—	—
Grey	—	380,465	371,398
Bleached and coloured	—	43,941	66,428
Rayon and nylon thrown	—	3,906,477	7,287,824
Rubber covered	—	—	1
Synthetic singles	lb.	45,872,252	49,365,363
Spun rayon and mixtures	—	9,032,643	6,654,810
Synthetic yarns, other	—	—	5,718,760
Woollen:	—	—	—
Hand knitting	lb.	401,571	755,884
Machine knitting	—	2,843,684	4,064,241
Weaving	—	390,045	416,044
Carpet	—	2,013,846	2,602,818
Not specified	—	349,749	500,000
Woolen and mixtures, n.e.s.	—	177,274	326,965
Worsted, oil spun:	—	—	—
Hand knitting	—	1,393,149	4,709,829
Machine knitting	—	4,785,222	10,876,438
Weaving	—	264,820	507,960
Carpet	—	685,335	697,122
Worsted, dry spun:	—	—	—
Knitting	—	1,278,073	3,243,344
Not specified	—	1,195,473	2,515,825
Yarns, not specified	—	—	2,579,296
Yeast, dry, bakers'	—	—	1
Yeast, dry, brewers'	—	—	1
Yeast, fresh (for sale)	—	—	1
Yeast, made for own use in breweries	lb.	1,774,529	—
Yeast food, bread improver, etc.	—	7,815,019	835,548
Yoghurt	gal.	97,523	279,491
Zinc, refined, zinc alloys, etc.	—	—	1,111,058
Zinc chloride	—	—	1
Zinc naphthenate	—	—	1
Zinc oxide and zinc dust	—	—	1
Manufactured food products, packaged only	lb.	16,439,403	2,808,510
Amount received by clothing contractors	—	—	21,660,666
Amount received for rental of signs	—	—	9,289,952
Inter-company transfers	—	—	3,354,409
All other products, not specified:	—	—	—
Food and beverages	—	—	21,907,794
Tobacco and tobacco products	—	—	—
Rubber products	—	—	2,638,301
Leather products	—	—	2,941,285
Textiles	—	—	4,313,268
Knitting mills	—	—	153,459
Clothing	—	—	2,715,819
Wood products	—	—	4,774,109
Paper products	—	—	2,431,665
Printing, publishing and allied industries	—	—	1,196,206
Iron and steel products	—	—	141,169,009
Transportation equipment	—	—	165,696,821
Non-ferrous metal products	—	—	20,610,202
Electrical apparatus and supplies	—	—	29,820,386
Non-metallic mineral products	—	—	9,980,965

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1957 — Concluded

Items	Unit of measure	Quantity	Value of factory shipments
			\$
All other products, not specified—Concluded:			
Products of petroleum and coal	—	—	5,983,497
Chemicals and allied products	—	—	41,151,487
Miscellaneous manufacturing industries	—	—	3,959,763
Custom work and repairs:			
Food and beverages	—	—	7,680,822
Tobacco and tobacco products	—	—	—
Rubber products	—	—	405,381
Leather products	—	—	1,176,808
Textiles	—	—	6,426,292
Knitting mills	—	—	—
Clothing	—	—	2,753,401
Wood products	—	—	17,704,326
Paper products	—	—	3,592,274
Printing, publishing and allied industries	—	—	—
Iron and steel products	—	—	90,035,152
Transportation equipment	—	—	134,837,752
Non-ferrous metal products	—	—	3,991,645
Electrical apparatus and supplies	—	—	14,908,746
Non-metallic mineral products	—	—	1,290,005
Products of petroleum and coal	—	—	607,089
Chemicals and allied products	—	—	1,106,464
Miscellaneous manufacturing industries	—	—	14,523,801
Products which were reported by only one or two firms and for which figures cannot be shown separately (see Commodities indicated by footnote 1)	—	—	793,574,961
Total value of products listed	—	—	22,799,638,063
Adjustments due to valuation of intermediate products, excise taxes, etc.	—	—	616,043,752
Total	—	—	22,183,594,311

¹ Indicates that the commodity was reported by one or two concerns.

APPENDIX III

PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry and summary reports which are released each year as the compilations are completed. The summary reports for the **Manufacturing Industries** are listed below. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual
S.A. — Semi-Annual

Q — Quarterly
M — Monthly
O — Occasional

S.C. — Special
Compilation

Catalogue number	Title	Price
GENERAL REVIEWS		
31-201	General Review of the Manufacturing Industries of Canada (A)	2.00
31-202	Preliminary Statement of Manufactures (A) .....	.75
	Manufacturing Industries of Canada:	
31-203	Summary fro Canada (A) .....	.50
31-204	Atlantic Provinces (A) .....	.50
31-205	Province of Quebec (A) .....	.50
31-206	Province of Ontario (A) .....	.50
31-207	Prairie Provinces (A) .....	.50
31-208	Province of British Columbia, including Yukon and Northwest Territories (A) ..	.50
31-209	The Manufacturing Industries of Canada, Geographical Distribution (A)	1.50
31-210	Type of Ownership — Manufacturing Industries of Canada (A) .....	.50
31-001	Inventories, Shipments and Orders in Manufacturing Industries (M)	per year 4.00
65-004	Trade of Canada — Exports (M)	per year 7.50
65-007	Trade of Canada — Imports (M)	per year 7.50
31-002	New Manufacturing Establishments in Canada (S.A.)	per year 2.00
FOODS AND BEVERAGES		
32-201	Foods and Beverages — General Review (A) .....	.50
Bakery Products		
32-202	Biscuit Industry (A) .....	.50
32-203	Bread and Other Bakery Products Industry (A) .....	.50
Beverages		
32-001	Monthly Production of Carbonated Beverages (M)	per year 1.00
32-205	Brewing Industry (A) .....	.50
32-206	Distilling Industry (A) .....	.50
32-207	Wine Industry (A) .....	.25
32-208	Carbonated Beverages Industry (A) .....	.50
Canning and Preserving		
22-003	Fruit and Vegetable Crop Reports (Seasonal)	per year 1.00
24-001	Fish Freezings and Stocks (M)	per year 2.00
24-002	Monthly Review of Canadian Fisheries Statistics (M)	per year 3.00
24-201	Fisheries Statistics of Canada (A) .....	.75
32-010	Stocks of Fruit and Vegetables (M)	per year 2.00
32-011	Quarterly Stocks of Canned Fruits and Vegetables on Hand (Q)	per year 2.00
32-211	Canned Foods Summary (A) .....	.50
32-212	Canned and Frozen Processed Foods (A) .....	.25
32-216	Fish Processing Industry (A) .....	.50
32-217	Stocks of Food Commodities in Cold Storage and Other Warehouses (A) .....	.50
32-218	Fruit and Vegetable Preparations Industry (A) .....	.50

APPENDIX III — Continued

Catalogue number	Title	Price
FOODS AND BEVERAGES — Concluded		
Dairy Products		
23-201	Dairy Statistics (A) .....	.50
32-002	Dairy Factory Production (M) per year	1.00
32-009	Stocks of Dairy and Poultry Products (M)..... per year	2.00
32-209	Dairy Products Industries (A).....	.75
32-210	Process Cheese Industry (A) .....	.25
Grain Mill Products		
32-003	Grain Milling Statistics (M)..... per year	1.00
32-004	Shipments of Prepared Stock and Poultry Feeds (M)..... per year	3.00
32-204	Prepared Breakfast Foods Industry (A).....	.25
32-214	Feeds Industry (A) .....	.50
32-215	Flour Milling Industry (A) .....	.50
Meat Products		
32-012	Stocks of Meat and Lard (M)..... per year	3.00
32-220	Estimates of Production and Consumption of Meats (A).....	.25
32-221	Slaughtering and Meat Packing Industries (A) .....	.50
Other Food Industries		
32-005	Margarine Statistics (M).....per year	1.00
32-006	Oils and Fats (M)	1.00
32-007	Quarterly Report on Processed Foods (Q)	2.00
32-013	Sugar Situation (M)	1.00
32-213	Confectionery Industry (A) .....	.50
32-219	Macaroni and Kindred Products Industry (A) .....	.25
32-222	Sugar Refining Industry (A).....	.50
32-223	Vegetable Oils Industry (A) .....	.50
32-224	Miscellaneous Food Preparations Industry (A) .....	.50
Note: In addition, several special statements are available. These include Monthly Meat Products, Monthly Stocks of Canned Foods, Monthly Production of Alfalfa Meal, Quarterly Bread and Bakery Products, 20 Seasonal Commodity Reports of Canned Fruits and Vegetables including Irish Potatoes.		
TOBACCO PRODUCTS		
22-205	Leaf Tobacco Production and Value (A).....	.25
32-014	Quarterly Stocks and Consumption of Unmanufactured Tobacco (Q)..... per year	2.00
32-225	Tobacco and Tobacco Products Industries.....	.50
RUBBER PRODUCTS		
33-206	Rubber Products Industry (A) .....	.50
33-003	Consumption, Production and Inventories of Rubber (M)	2.00
LEATHER PRODUCTS		
33-201	Leather Products Industry — General Review (A) .....	.25
33-202	Leather Tanning Industry (A) .....	.50
33-203	Leather Footwear and Leather Boot and Shoe Findings Industries (A) .....	.50
33-204	Leather Glove and Mitten Industry (A) .....	.50
33-205	Miscellaneous Leather Products and the Leather Belting Industries (A) .....	.50
33-001	Statistics of Hides, Skins and Leather (M)..... per year	1.00
33-002	Production of Leather Footwear (M)	2.00

APPENDIX III — Continued

Catalogue number	Title	Price
TEXTILES		
34-201	General Review of Textile Mills (A) .....	.50
34-202	Awning, Tent and Sail Industry (A) .....	.50
34-203	Cordage, Rope and Twine Industry (A) .....	.50
34-204	Cotton and Jute Bag Industry (A) .....	.50
34-205	Cotton Textile Industries (A) .....	.50
34-206	Dyeing and Finishing of Textile Goods Industry (A).....	.25
34-207	Narrow Fabrics Industry (A) .....	.50
34-208	Synthetic Textiles and Silk Industry (A).....	.50
34-209	Wool Textile Industries (A) .....	.50
34-210	Miscellaneous Textile Industries (A).....	.50
KNITTING MILLS		
34-215	Hosiery and Knitted Goods Industries (A).....	.50
Clothing		
34-211	General Review of the Clothing Industries (A).....	.50
34-212	Corset Industry (A) .....	.25
34-213	Fur Goods and Fur Dressing Industries (A) .....	.50
34-214	Hat and Cap Industry (A) .....	.50
34-216	Men's Factory Clothing Industry (A) .....	.50
34-217	Women's and Children's Factory Clothing Industries (A) .....	.75
34-218	Miscellaneous Clothing Industries (A).....	.50
34-001	Quarterly Production of Garments (Q)	per year 1.00
WOOD PRODUCTS		
35-201	General Review of the Wood-Using Industries (A) .....	.50
35-202	The Furniture Industry (A).....	.50
35-203	The Hardwood Flooring Industry (A) .....	.50
35-204	The Lumber Industry (Sawmill Operations) (A).....	.75
35-205	The Sash, Door and Planing Mills Industry (A) .....	.50
35-206	The Veneer and Plywood Industry (A) .....	.50
35-207	The Miscellaneous Wood — Using Industries (A) .....	.50
25-201	Operations in the Woods (Estimate of Forest Production) (A) .....	.50
35-002	Production, Shipments and Stocks on Hand of Sawmills East of the Rockies (M)....	2.00
35-003	Production, Shipments and Stocks on hand of Sawmills in British Columbia (M)	2.00
35-001	Peeler Logs, Veneer and Plywood (Deliveries, consumption and stocks of logs; production; domestic and export shipments and monthend stocks of veneer and plywood) (M).....	1.00
25-001	Pulpwood production, Consumption and Inventories (M)	1.00
PAPER PRODUCTS		
36-201	General Review of the Paper — Using Industries (A) .....	.50
36-202	The Paper Box and Bag Industry (A) .....	.50
36-204	The Pulp and Paper Industry (A) .....	.75
36-205	The Roofing Paper Industry (A) .....	.50
36-206	The Miscellaneous Paper Goods Industry (A).....	.50
36-001	Hard Board (Production and domestic and export shipments) (M)	1.00
36-002	Rigid Insulating Board (Production and domestic and export shipments) (M)	1.00
45-001	Asphalt Roofing (Production and shipments by areas) (M)	1.00
47-001	Asphalt and Vinyl — Asbestos Floor Tiles (Production, domestic shipments, imports and exports) (M).....	1.00

APPENDIX III — Continued

Catalogue number	Title	Price
PRINTING, PUBLISHING AND ALLIED INDUSTRIES		
36-203	The Printing Trades (A).....	.75
IRON AND STEEL PRODUCTS		
41-201	Iron and Steel Products — General Review (A).....	.50
42-202	The Agricultural Implements Industry (A) .....	.50
41-205	The Boilers and Plate Work Industry (A).....	.50
41-207	The Bridge Building and Structural Steel Industry (A) .....	.25
41-208	The Hardware, Tools and Cutlery Industry (A).....	.50
41-209	The Heating and Cooking Apparatus Industry (A) .....	.50
42-208	The Machinery Industry (A) .....	.50
42-207	The Machine Shops Industry (A) .....	.50
41-210	The Iron Castings Industry (A) .....	.50
41-203	The Primary Iron and Steel Industry (A) .....	.75
41-213	The Sheet Metal Products Industry (A) .....	.50
41-216	The Wire and Wire Goods Industry (A) .....	.50
41-217	The Miscellaneous Iron and Steel Products Industry (A) .....	.50
41-001	Primary Iron and Steel (M)	per year 3.00
41-002	Steel Ingots and Pig Iron (Preliminary) (M).....	per year 1.00
41-003	Production of Pig Iron and Steel (M)	per year 1.00
41-004	Iron Castings and Cast Iron Pipes and Fittings (M)	per year 1.00
41-005	Stoves and Furnaces (M)	per year 1.00
41-006	Steel Wire and Specified Wire Products (M).....	per year 1.00
41-212	Scrap Iron and Steel (A) .....	.25
63-203	Farm Implement and Equipment Sales (A) .....	.50
64-202	Household Facilities and Equipment (A).....	.50
43-006	Air Conditioning and Refrigeration Equipment (M).....	per year 1.00
(S.C.)	Sanitaryware (M)	per year 1.00
(S.C.)	Scrap Iron and Steel (M)	per year 1.00
(S.C.)	Domestic Water Tank Heaters (M).....	per year 1.00
(S.C.)	Domestic and Farm Water Systems (M).....	per year 1.00
(S.C.)	Builders' Hardware (M).....	per year 1.00
(S.C.)	Heating Boilers and Radiators (M)	per year 1.00
(S.C.)	Domestic Range Boilers (M)	per year 1.00
(S.C.)	Cemented Tungsten Carbide (M)	per year 1.00
(S.C.)	Welding Electrodes (M).....	per year 1.00
(S.C.)	Grinding Balls (A).....	.25
(S.C.)	Fans, Unit Heaters and Ventilators (A).....	.25
TRANSPORTATION EQUIPMENT		
42-201	Transportation Equipment — General Review (A).....	.50
42-203	Aircraft and Parts Industry (A) .....	.50
42-204	Bicycle Manufacturing Industry (A) .....	.25
42-205	Boatbuilding Industry (A) .....	.50
42-206	Shipbuilding Industry (A) .....	.25
42-209	Motor Vehicles Industry (A).....	.50
42-210	Motor Vehicles Parts Industry (A) .....	.50
42-211	Railway Rolling Stock Industry (A) .....	.50
42-212	Miscellaneous Transportation Equipment Industry (A) .....	.25
42-001	Preliminary Report on Production of Motor Vehicles (M)	per year 1.00
42-002	Motor Vehicle Shipments (M)	per year 1.00
53-203	Motor Vehicle (A) .....	.75
53-204	Motor Vehicle — Preliminary Report on Registrations, etc. (A).....	.50
63-007	New Motor Vehicle Sales and Motor Vehicle Financing (M)	per year 1.00
63-208	New Motor Vehicle Sales and Motor Vehicle Financing (A) .....	.50

APPENDIX III – Continued

Catalogue number	Title	Price
NON-FERROUS METAL PRODUCTS		
41-202	Non-ferrous Metal Products – General Review (A) .....	.50
41-204	The Aluminum Products Industry (A).....	.50
41-206	The Brass and Copper Products Industry (A).....	.50
41-215	The White Metal Alloys Industry (A) .....	.50
41-211	The Jewellery and Silverware Industry (A).....	.50
41-214	The Smelting and Refining Industry (A) .....	.50
41-218	The Miscellaneous Non-ferrous Metal Products Industry (A).....	.25
41-007	Non-ferrous Scrap Metal and Secondary Non-ferrous Ingot (Q)..... per year	1.00
ELECTRICAL APPARATUS AND SUPPLIES		
43-201	The Electrical Apparatus and Supplies Industry (A).....	.75
43-001	Domestic Refrigerators and Freezers (M)	per year 1.00
43-002	Domestic Washing Machines and Clothes Dryers (M)	per year 1.00
43-003	Specified Domestic Electrical Appliances (M).....	per year 1.00
43-004	Radio and Television Receiving Sets (M).....	per year 1.00
43-005	Factory Sales of Electric Storage Batteries (M)	per year 1.00
43-006	Air Conditioning and Refrigeration Equipment (M)	per year 1.00
41-005	Stoves and Furnaces (M).....	per year 1.00
(S.C.)	Domestic Water Tank Heaters (M)	per year 1.00
(S.C.)	Electric Lamps (M).....	per year 1.00
(S.C.)	Welding Electrodes (M)	per year 1.00
(S.C.)	Fans, Unit Heaters and Ventilators (A) .....	.25
(S.C.)	Fans, Unit Heaters and Ventilators (M)	per year 1.00
57-001	Electric Power Statistics (M)	per year 1.00
57-201	Electric and Gas Meter Registrations (A).....	2.00
57-202	Electric Power Statistics (A).....	.75
57-204	Electric Power Survey of Capability and Load (A) .....	.50
64-202	Household Facilities and Equipment (A) .....	.50
NON-METALLIC MINERAL PRODUCTS		
44-201	Non-Metallic Mineral Products – General Review (A) .....	.50
44-202	The Artificial Abrasives Industry (A) .....	.50
44-203	The Asbestos Products Industry (A) .....	.25
44-204	The Cement Manufacturing Industry (A) .....	.50
44-205	The Concrete Products Industry (A) .....	.50
44-207	The Glass and Glass Products Industry (A).....	.50
44-208	The Gypsum Industry (A).....	.50
44-206	The Clay and Clay Products Industry (A).....	.50
44-209	The Lime Industry (A) .....	.50
26-214	The Salt Industry (A) .....	.50
26-217	The Stone Industry (A).....	.50
44-210	The Miscellaneous Non-Metallic Mineral Products Industry (A) .....	.25
26-001	Asbestos (M)	per year 1.00
26-007	Canada's Leading Minerals (M)	per year 1.00
26-009	Salt (M).....	per year 1.00
44-001	Cement (M).....	per year 1.00
44-002	Concrete Products (M)	per year 1.00
44-003	Gypsum Products (M)	per year 1.00
44-004	Mineral Wool (M)	per year 1.00
44-005	Products Made from Canadian Clays (M).....	per year 1.00
PRODUCTS OF PETROLEUM AND COAL		
45-201	Products of Petroleum and Coal – General Review (A) .....	.50
45-203	Coke and Gas Industry (A).....	.50
45-205	Petroleum Products Industry (A).....	.50
45-207	Miscellaneous Products of Petroleum and Coal Industry (A) .....	.25

APPENDIX III — Concluded

Catalogue number	Title	Price
PRODUCTS OF PETROLEUM AND COAL — Concluded		
26-003	Preliminary Report on Coal Production (M).....	per year 1.00
26-206	Coal Mining Industry (A)	1.00
45-202	Preliminary Report on Coal and Coke Statistics (A) .....	.50
26-006	Crude Petroleum and Natural Gas (M)	per year 1.00
26-213	Crude Petroleum and Natural Gas Industry (A).....	.50
45-004	Refined Petroleum Products (M)	per year 3.00
45-204	Refined Petroleum Products (A)	1.50
45-206	Consumption of Petroleum Fuels (A) .....	.25
13-505	Energy Consumption in Manufacturing and Mining Industries 1926- 1953 (O)	1.00
13-507	Energy Sources in Canada, Commodity Accounts, 1926, 1929, 1933 and 1939 (O) ..	1.00
13-506	Energy Sources in Canada, Commodity Accounts, 1948 and 1952 (O).....	1.00
55-001	Pipe Line (Oil) Statistics (M)	per year 2.00
55-201	Pipe Line (Oil) Statistics (A) .....	.50

CHEMICALS AND ALLIED PRODUCTS

46-201	Chemicals and Allied Products — General Review (A) .....	.50
46-202	Acids, Alkalies and Salts Industry (A) .....	.50
46-203	Adhesives Industry (A).....	.50
46-204	Coal Tar Distillation Industry (A) .....	.25
46-205	Compressed Gases Industry (A) .....	.50
46-206	Fertilizers Industry (A) .....	.50
46-208	Inks Industry (A) .....	.50
46-209	Medicinal and Pharmaceutical Preparations Industry (A) .....	.50
46-210	Paints, Varnishes and Lacquers Industry (A).....	.50
46-211	Primary Plastics Industry (A) .....	.50
46-213	Polishes and Dressings Industry (A) .....	.50
46-214	Soaps, Washing Compounds and Cleaning Preparations Industry (A) .....	.50
46-215	Toilet Preparations Industry (A).....	.50
46-216	Miscellaneous Chemical Products Industry (A) .....	.50
46-217	Chemicals and Allied Products — Preliminary Summary Statistics (A).....	.25
46-003	Soaps and Synthetic Detergents (M)	per year 1.00
(S.C.)	Sulphuric Acid, Caustic Soda and Chlorine (A) .....	.25
46-401	Consumption of Chemicals in Municipal Waterworks (B).....	.25
46-207	Fertilizer Trade (A) .....	.50
46-212	Sales of Pest Control Products by Canadian Registrants (A) .....	.25
46-001	Sales of Paints, Varnishes and Lacquers (M).....	per year 1.00
46-002	Specified Chemicals (10 items) (M)	per year 1.00

MISCELLANEOUS INDUSTRIES

47-201	Broom, Brush and Mop Industry (A) .....	.50
47-202	Button, Buckle and Fastener Industry (A).....	.25
47-203	Musical Instrument Industry (A) .....	.25
47-204	Sporting Goods Industry (A).....	.50
47-205	Miscellaneous Industries (Artificial flowers and feathers; candles; clocks and watches; fountain pens and pencils; hair goods; ice; instruments; models and patterns; lamps; ophthalmic goods; orthopaedic and surgical appliances; smokers' supplies; plastic products; signs; stamps and stencils; statuary and art goods; toys and games; typewriter supplies; umbrellas) (A)50
(S.C.)	Production and Sales of Records in Canada (M).....	

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